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Repositioning toward the future . . . .

1993 Annual Report

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AMERICAN ASSOCIATION OF BLOOD BANKS

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About the AABB

Established in 1947, the American Association of Blood Banks is a professional, nonprofit, scientific and administrative association for individuals and institutions engaged in the many facets of blood banking, tissue banking and transfusion medicine. It is the only organization devoted exclusively to blood banking and blood transfusion services. AABB member facilities collect virtually all of the nation's blood supply and transfuse more than 80%. Close to 2400 institutions (community, regional and American Red Cross blood centers, hospital blood banks and hospital transfusion services) and over 9230 individuals (including physicians, scientists, medical technologists, administrators, donor recruiters, nurses and public-spirited citizens working with blood bankers) are members of the AABB. Members are located in all 50 states and 40 foreign countries. The AABB's active membership gives direction to the Association through its elected Board of Directors and more than 40 committees of volunteer professionals.

4 President's Report

Arthur J. Silvergleid, MD

1993 was a year of progress and dramatic change for the AABB. Many initiatives begun in previous years were successfully implemented, including a leadership development program, new editions on accelerated publishing cycles of both the *Standards for Blood Banks and Transfusion Services* and the *Technical Manual*, improved communications between the Board of Directors and the membership and an extensive education program featuring a series of workshops on good manufacturing practice (GMP). In addition, a strategic plan was adopted by a Board increasingly committed to thinking strategically.

Throughout the Association year, important efforts were made to achieve worldwide consensus on a method for uniform blood labeling and for validating blood bank computer software. In addition, the AABB addressed the unique inspection requirements of blood centers, which stimulated a reorientation of the inspection and accreditation (I&A) program to enable it to help members—through an internal and external audit program—prevent errors rather than detect them. Finally, the Association thoroughly reviewed the institutional dues structure and developed a model that has the potential, when refined and implemented, to achieve true equity for the many institutions that make up the AABB.

Notwithstanding many other ongoing Association efforts in the publications, legislative and public/media relations arenas, the most noteworthy accomplishments in 1993 were re-energizing the National Blood Foundation (NBF) and reorienting the AABB as primarily a professional organization with enfranchisement of all members, individual and institutional. In 1993 the NBF was brought back under the umbrella of the AABB, new leadership was appointed and both the NBF Trustees and the AABB Board devoted considerable energy and resources to create the framework for a dynamic and successful Foundation. The fruits of those labors should become evident in 1994 and beyond.

Also in 1993, the membership of AABB made a seminal change in the nature of our organization when they endorsed a series of bylaws changes designed to achieve equitable representation on the Board of Directors (through redistricting) and to enfranchise individual members (enabling them to vote for district directors and future bylaws changes). These changes, long overdue and universally embraced, will help keep the AABB a strong and vital professional organization for years to come.

In closing, I would like to thank our talented National Office staff for another very productive year and the 1993 Board, as well as the Association membership, for embracing my vision and supporting my initiatives for change with courage and commitment. It was a great year for the AABB and its members; we are poised for an even greater future.

CEO's Report

Jo Ann Hoffman

As Interim Chief Executive Officer, it is my pleasure to summarize a very full year of activity at the AABB National Office that complements the progress made by the Association as a whole. As Dr. Silvergleid has noted, it was an eventful year, indeed.

Of course, the absence of Joel Solomon, PhD, as Chief Executive Officer, has had the greatest impact on the National Office. During his months of recuperation, Joel and the staff kept in close contact through home visits, calls and cards. Many of the projects that came to fruition during 1993 were supported and guided by Joel before his illness.

One of Joel's favorite initiatives was implementation of a total quality management (TQM) program for the staff. All AABB employees received TQM training in 1993—not only to better serve the membership, but also to work more efficiently and productively as a group. The emphasis on "do it right the first time" certainly gave staff an appreciation for members' struggles to succeed in a "zero defect" environment.

Another area of activity involved compliance with the Americans With Disabilities Act (ADA) provisions. As a provider of services as well as an employer, the AABB reviewed its programs and made revisions to ensure that equal access is available to all. Some of the reasonable accommodations made for the benefit of members included sign language interpreters at workshops, wheelchairs at conferences and transcripts of audio teleconferences.

With the dissolution of the Council on Postsecondary Accreditation and the announced disbanding of the Committee on Allied Health Education and Accreditation, the AABB has positioned itself as an important player in the development of successor groups. Staff efforts on behalf of SBB programs, which are deeply affected by these changes, will ensure that SBB certification will remain strong and respected.

The year witnessed the planning and implementation of a monthly member mailing packet. Combining material for several mailings into one envelope is more convenient for members and saves on postal expenses as well. Staff efforts in coordinating the contents for each month's packet have made this an ongoing success story.

Staff members also made improvements in the internal workings of the National Office. We now send fax transmittals directly from our computers, we streamlined our off-site storage system and we increased our use of recycled paper. In ways big and small, we tried to make a positive difference.

Last, but certainly not least, AABB staff members did their utmost to assist with the overall objectives of the Association, the Board, the committees and the members. Staff contributed to many of the advances noted by Dr. Silvergleid—the development of a strategic plan, the reorientation of the I & A program, the revamping of the National Blood Foundation and formulation of a business plan for AABB's involvement in uniform blood labeling. In addition, many of the programs, services and activities highlighted in this Annual Report were made possible through the participation of National Office staff. We are proud of that involvement and hope that our collaboration as working partners results in the brightest future possible for the AABB.

6 Providing Leadership for the

The AABB is the largest blood banking and transfusion medicine organization in the world. In its position as a standard-setting organization, the AABB provides information and guidance to institutions and individuals in the profession. Through a program of institutional inspection that is being reoriented to prevention rather than detection, the AABB provides accreditation that is respected both within and outside the profession. The Association recognizes and salutes outstanding achievements by individuals through its prestigious award program. The AABB looks to the future of blood banking and transfusion medicine by awarding scholarships to both students in blood banking specialist programs and fellows in transfusion medicine training programs.

Membership

Association membership continued to grow in 1993. During the year, 1098 new members joined the AABB, bringing total membership to a record high of 11,709.

Individual membership increased to 9234. Individual AABB members included 2135 physicians, 103 resident physicians, 6737 nonphysicians, eight life members and 213 emeritus members.

The institutional membership total for 1993 was 2475. AABB's institutional members included 188 community blood centers, 749 hospital blood banks, 1403 hospital transfusion services, 16 associate institutional members and 28 international institutional members. An additional 91 institutions applied for membership this year; their applications are pending, awaiting accreditation and approval.

Elections

A new Board of Directors was chosen at the 46th Annual Business Meeting in Miami Beach, on October 26, 1993. Charles H. Wallas, MD, named president-elect in 1992, assumed the office of president. Jane Mackey, MBA, was chosen president-elect and will assume the office of president at the 47th AABB Annual Meeting in San Diego, CA, in November 1994. Other officers elected to the executive committee were: Edward L. Snyder, MD, vice president; Jay E. Menitove, MD, secretary; and Roger K. Svoboda, MBA, MS, MT(ASCP)SBB, treasurer. Arthur J. Silvergleid, MD, became immediate past president.

Elected as district directors were Margaret Hanson, MT(ASCP)SBB, Minneapolis, MN, North Central District; and Harold S. Kaplan, MD, Dallas, TX, South Central District Director. Re-elected as district directors were: Paul M. Ness, MD, Baltimore, MD, Northeast District Director; Dennis M. Smith, Jr., MD, Jacksonville, FL, Southeast District Director; and Allan Ross, MBA, MT(ASCP), Tacoma, WA, Pacific District Director. J. Daniel Connor, Los Angeles, CA, was elected as the Administrative Section Representative at the ASCC Business Meeting.

Also on the AABB Board of Directors, but not subject to re-election in 1993, were: Robert L. Travis, MS, MT(ASCP)SBB, Newark, DE, Northeast District: Barbara Zimmerman, MT(ASCP)SBB, Greenville, SC, Southeast District; Ronald G. Strauss, MD, Iowa City, IA, North Central District; Estre Culotta, MHS, MT(ASCP)SBB, New Orleans, LA, South Central District; Jerry Kolins, MD, Escondido, CA, Pacific District; and Susan L. Wilkinson, EdD, MS, MT(ASCP)SBB, Cincinnati, OH, Scientific Section Representative.

Arthur J. Silvergleid, MD, passed the AABB President's plaque and gavel to Charles H. Wallas, MD, at the 46th Annual Meeting Banquet.

Awards

Each year at the Annual Meeting, the AABB presents awards to individuals for their scientific discoveries and outstanding service in the field of blood banking and transfusion medicine.

The Bernard Fantus Medal is bestowed on the person who is thought to have contributed the most to blood banking over the past 50 years, and was conferred for the second time in 1993. Tibor J. Greenwalt, MD, received the 1993 Bernard Fantus Medal in recognition of his lifelong contributions to blood banking and to transfusion medicine, including his initiation and direction of two of the major community blood banks in the United States; his service as founding editor of *TRANSFUSION*; and, through his leadership of the American Red Cross blood program, his role in increasing the number of able young physicians entering the field of transfusion medicine.

Memorial Awards

Professor dr C. Paul Engelfriet received the 1993 Karl Landsteiner Memorial Award in recognition of his distinguished career in transfusion medicine, including serving as head of the Dutch Military Transfusion Service and the Netherlands Red Cross Transfusion Service Central Laboratory; as a collaborator in numerous international efforts; as editor of the distinguished journal, *Vox Sanguinis*; and as a pioneer in leukocyte and erythrocyte serology.

The John Elliott Memorial Award was presented to Paul J. Schmidt, MD, for his pioneering contributions to transfusion medicine and blood banking while directing the program at the National Institutes of Health and developing the Southwest Florida Regional Blood Bank; for his longstanding leadership of Association activities, including many years of participation on the Standards Committee, culminating in election to the AABB presidency; and for his stimulation, encouragement and training of numerous hematologists and pathologists to enter this field of scientific endeavor and thereby ensure its continuity.

Tibor J. Greenwalt, MD, received the 1993 Bernard Fantus Medal from Charles H. Wallas, MD. Mrs. Muriel Fantus Fulton, niece of Dr. Fantus, was also present.

Ernest R. Simon, MD, received the Morten Grove-Rasmussen Memorial Award for his many significant contributions to blood banking and transfusion science, including his roles as director of the Division of Blood Diseases and Resources of the National Institutes of Health, deputy director of the Division of Blood and Blood Products of the Food and Drug Administration and coordinator of the US-USSR Health Exchange in Blood Transfusion Problems; for his continued interest in ethical issues relating to blood transfusion; and for his seminal research leading to the implementation of adenine as an additive in blood preservation solutions.

The Ivor Dunsford Memorial Award was presented to Elizabeth S. Sebring, MT(ASCP), for her support of the educational programs of the American Association of Blood Banks and other blood banking organizations; for her contributions to the scientific literature in the fields of immunology and immunohematology; and specifically for her recognition that rosetting techniques developed and described by others would enhance detection of fetomaternal hemorrhage and thereby allow more specific use of Rh immune globulin.

Richard H. Aster, MD, the 1993 Emily Cooley Memorial Award recipient, was honored for his seminal contributions to platelet immunology and to the understanding and treatment of immune platelet disorders, and for his leadership in national affairs, administration and professional training in the field of transfusion medicine.

Administrative Awards

The Chapman-Franzmeier Memorial Award was presented posthumously to Jean Coach for her outstanding professional leadership of AABB donor recruitment programming; for her effective involvement with other local, state and national blood banking organizations; and for her willingness to share her expertise and her commitment to saving lives.

The Bernice Hemphill Award was presented to Paul V. Holland, MD, in recognition of his outstanding leadership qualities and academic achievements as chief executive officer and medical director of the Sacramento Medical Foundation Blood Center; for sharing his administrative expertise at national and international presentations, seminars, forums and lectures; for his distinguished service and leadership on numerous important AABB committees; and for enhancing the effective administration of blood banking in developing countries through his work with the World Health Organization.

Distinguished Service Awards

At the 1993 AABB Annual Meeting, two individuals were honored with Distinguished Service Awards. Herbert Silver, MD, received a Distinguished Service Award in recognition of his outstanding contributions on behalf of the AABB as chairman of the Inspection and Accreditation Committee and his career-long contributions to the Inspection and Accreditation Program.

Frances K. Widmann, MD, also received a Distinguished Service Award in recognition of her outstanding contributions on behalf of the AABB as chairman of the Standards Committee and the Technical Manual Committee.

Awards of Merit

At the 1993 AABB Annual Meeting, the AABB was privileged in honoring one individual and six organizations with Awards of Merit for their significant contributions to blood banking on a local level.

Marjorie Cord, a volunteer at the Sacramento Medical Foundation Blood Center in Sacramento, CA, received an Award of Merit in the individual category. In 1979, Marjorie Cord agreed to take on the responsibility of establishing and coordinating the blood center's volunteer program, while insisting on maintaining her volunteer status. Under her guidance, the volunteer program at the Sacramento Medical Foundation Blood Center has grown from a group of eight in 1979 to over 100 active volunteers who give more than 2600 hours of personal time each month—the equivalent of more than 15 full-time employees. To date, more than 225,000 volunteer hours have been donated, 8000 of which are from Ms. Cord herself.

Penn State University, University Park, PA, received an Award of Merit in

the educational category. Penn State University's campus blood program, coordinated by the American Red Cross Blood Services/Johnstown Region, has experienced significant growth in the past 8 years. Annual blood donations at the university have increased from 3600 units in 1986 to approximately 6300 units in 1993. Several student clubs and organizations host about 40 blood drives per year. The university supports them by providing rooms on campus during each blood drive, permitting use of the mailing system for promotional purposes, offering several channels for free advertising, providing refreshments for all residence hall blood drives and sponsoring recognition events at the end of every semester.

The Porterville Recorder, Porterville, CA, received an Award of Merit in the newspaper category. *The Porterville Recorder* began its commitment to Central California Blood Bank in 1954. With its support, the blood center has generated more donors through blood drives in the newspaper's market area than any other rural community in the Central San Joaquin Valley. The newspaper has provided consistent and effective coverage of blood drives, donation issues, blood-related news and human interest stories for 40 years. In the last 3 years, the newspaper has expanded its commitment to life by developing programs that allow local businesses to underwrite the cost of full-page advertisements and by donating quarter-page ads.

KKYX Radio, San Antonio, TX, received an Award of Merit in the radio category. The station has been an avid supporter of the South Texas Regional Blood Bank for nearly a decade. In just the last 6 years, the radio station has recruited almost 6000 blood donors and donated more than $170,000 worth of airtime through public service announcements. KKYX also sponsors several community-wide promotional blood drives each year. On the days of the drives, the station broadcasts live from the drive site for 12 continuous hours, and all eligible radio personalities donate.

WFTV health reporter Barbara West interviews Orlando Magic basketball player Anthony Bowie during a special blood drive. WFTV efforts in promoting blood donation earned the station an AABB Award of Merit.

WFTV, Inc., Orlando, FL, received an Award of Merit in the television category. WFTV is Orlando's ABC affiliate and the market's top-rated television news station, reaching nine Central Florida counties. WFTV's commitment to the Central Florida Blood Bank includes the sponsorship of two annual blood drives as well as their year-round support through news stories and in-kind donations. For the past 11 years, WFTV has been the sole sponsor of a pre-Fourth of July weekend blood drive called "Blood Brotherhood Day," and the station expanded its support in 1991 by introducing a 3-day promotion for National Volunteer Blood Donor Month each January. Most recently, WFTV committed to donating talent and production services for a new donor recruitment video to help maintain the community blood supply.

The Patrick Media Group of Houston, Inc., Houston, TX, received an Award of Merit in the other media category. The primary source of Houston's outdoor advertising needs, the Patrick Media Group of Houston has supported the recruitment efforts of the Gulf Coast Regional Blood Center for 12 years, donating more than $57,000 worth of outdoor advertising space. The donation of billboard space was especially beneficial to the Gulf Coast's Minority Recruitment Campaigns in 1991 and 1992, with over 75 donated billboards to the Patrick Media Group's credit. In March of 1993 alone, they donated space on 50 billboards to recognize the accomplishments of two of the Gulf Coast Regional Blood Center's major donor groups, Dow USA and Exxon Baytown Olefins Plant.

Blue Cross & Blue Shield of Kansas, Inc., Topeka, KS, received an Award of Merit in the group category. For many years, Blue Cross and Blue Shield of Kansas has been one of the top 10

blood providers for the Topeka Blood Bank, and in 1992 it became the blood center's top provider with 716 donations, surpassing several donor groups with larger employee bases. Blue Cross and Blue Shield of Kansas has a 40 percent participation rate among its 1800 employees and the organization continues to build its donor base by encouraging more employees to give blood for the first time. The company's donor chairperson, Cheri Iarossi, and her donor group committee contribute approximately 70 hours organizing and recruiting for each drive, and volunteers for the company put in an additional 48 hours working at each blood drive.

Scholarship Awards

Five Specialist in Blood Banking (SBB) students were selected this year to receive scholarship awards, sponsored by the Scientific Section Coordinating Committee (SSCC) and the Fenwal Division of Baxter Healthcare Corporation. These awards are intended to encourage and assist educational pursuits in the field of immunohematology. The following students were selected for their award-winning essays: Noah L. Bentley, II, MT(ASCP)SBB, Hoxworth Blood Center; Ian Elaine Blomer, MT(ASCP)SBB, National Institutes of Health; Stephanie S. Norris, MT(ASCP)SBB, Hoxworth Blood Center; Jane A. Ullmann, MT(ASCP), Memorial Blood Center; and Laura G. Young, MT(ASCP), University of Texas Medical Branch.

In addition, the AABB has given scholarship awards to transfusion medicine fellows. These awards, sponsored by the SSCC and Fenwal, are intended to promote interest in research, development and continuing education in the field of transfusion medicine. The five individuals selected for their award-winning manuscripts were: Richard C. Friedberg, MD, PhD, University of Virginia; Michael W. Lankiewicz, MD, Johns Hopkins Hospital; Jong-Hoon Lee, MD, University of Virginia; Thomas J. Raife, MD, University of Iowa Hospitals and Clinics; and Marcia Zago-Novaretti, MD, New England Medical Center Hospital.

Accreditation

I & A Program

In 1993, 1146 of the 2475 institutional members who participate in the Inspection and Accreditation (I&A) Program were accredited. Facilities are inspected and accredited every 2 years. During the year, 269 inspections were successfully coordinated with the College of American Pathologists. In 1993, the Inspection and Accreditation Committee produced the 6th edition of *Inspection and Accreditation Policies and Procedures* (the Blue Book) and an updated version of the Inspection Report Form indexed to the 15th edition of *Standards for Blood Banks and Transfusion Services*.

Reference Laboratories/Rare Donor File

During 1993, 54 AABB-Accredited Immunohematology Reference Laboratories in the United States provided an exchange of information and consultation on rare blood group antibodies, blood grouping, component preparation and therapy, compatibility testing and research. Proficiency tests were administered to these laboratories to measure technical expertise and serologic resources.

The Rare Donor File received a total of 115 calls requesting blood for immunized patients. These calls included 67 on behalf of patients needing blood that lacked high-incidence antigens [including 14 U–, 8 Vel–, 5 Yt(a–), 4 Co(a–), 4 Di(b–), 4 Js(b–), 3 Cromer– and 3 Ge–]; 30 of these patients had additional antibodies. The Rare Donor File also received 17 calls for multiple antigen-negative blood (uncommon or rare), 23 for uncommon types [11 Fy(a–b–), 6 k– and 6 Lu(b–)], and 3 for IgA-deficient components. The year-end inventory showed that the responding reference laboratories had 1106 high-incidence antigen-negative donors; 23,268 multiple antigen-negative donors; 17,661 uncommon antigen-negative donors; and 184 IgA-deficient donors registered on their files. Blood from these donors can be provided throughout the world for patients who form antibodies.

Parentage Testing Laboratories

In 1993, there were 50 AABB-accredited parentage testing laboratories. Approximately 100 laboratories in the United States perform this type of work. Parentage Testing Program inspectors successfully completed 11 on-site inspections. Currently, 20 laboratories are in the process of being reaccredited and 11 laboratories began the initial accreditation process. The College of American Pathologists is cosponsoring the Parentage Specimen Program, which functions as an exter-

Stored in liquid nitrogen tanks, samples of red cells with rare antigens can be a lifesaving resource for patients with unusual needs.

nal proficiency testing mechanism for parentage testing laboratories. There are approximately 100 laboratories that participate in the new Parentage Testing Pilot Survey (formerly PSP).

Certification

The AABB continued its encouragement of the education of new blood bank professionals through two long-standing programs—the accreditation of SBB training programs and SBB and BB certification. Currently, 27 facilities in the United States offer accredited SBB education programs, endorsed by the AABB, through the Accreditation of SBB Schools Committee and the Committee on Allied Health Education and Accreditation (CAHEA) of the American Medical Association.

In cosponsorship with the AABB, the ASCP Board of Registry certified 194 Specialists in Blood Banking (SBBs) through the February examination for a total of 4195 SBBs to date. The Blood Banking (BB) certification examination was given in August. The exam was successfully completed by 90 applicants for a total of 2000 BBs to date. All future BB and SBB certification exams offered by the Board of Registry will be computerized.

Blood Donor Phlebotomist Certificate Program

Developed by the Nursing and Donor Room Personnel Committee, this program was designed to assist instructors in verifying that donor room phlebotomists can perform in compliance with AABB *Standards for Blood Banks and Transfusion Services* and FDA requirements. During 1993, the Board of Directors approved continuation of the Blood Donor Phlebotomist Certificate Program. Enrollment for the Instructors Workshop at the Annual Meeting has grown steadily—there are now 184 AABB Blood Donor Phlebotomist Instructors throughout the United States.

In the past year, two assessment cycles (January and June) were completed, during which Blood Donor Phlebotomist Candidates were observed on the job by their facility's instructor(s) and were given a written examination. The 275 candidates who have successfully completed the program have received certificates and are listed with the AABB National Office.

Policies

In 1993, the American Association of Blood Banks established new and/or revised existing major association policies and distributed the position statements to individual and institutional members.

Three of the policies were new guidelines on blood bank/transfusion service computer systems: software manufacturing process, user validation and microprocessors. These guidelines were prepared by the Information Systems Committee of the AABB and the Ad Hoc Computer Committee of the Health Industry Manufacturers Association (HIMA). The guidelines are intended for use in clarifying the responsibilities of blood bank software vendors/developers and end users. Three additional titles are under development: computer systems revision, training and problem reporting/notification.

A fourth policy consisted of a change in the 15th edition of *Standards for Blood Banks and Transfusion Services*, effective August 27, on deferral of donors for elevated alanine aminotransferase (ALT) levels. The AABB Standards and Transfusion-Transmitted Diseases Committees felt that it would be safe not to indefinitely defer donors with an elevated ALT, but rather to exclude units of blood with ALT elevations and to wait one year for seroconversion to hepatitis C virus or hepatitis B virus or for the development of clinical hepatitis. If none of these events occurred and the ALT normalized, the donor would be reinstated.

The final policy statement was a collection of sample hearsay management policies that may be used in the blood bank to deal with information received from a third party about a donor or donation. Each facility should have a written policy for such situations; however, policies vary from one institution to another. The AABB recommended that each blood bank develop these policies in consultation with the blood bank legal counsel, and that the policies be flexible enough so that the medical director or designee can make a reasonable case-by-ca e decision on the disposition of the donated blood and the continued suitability of the blood donor.

Standards

After reviewing comments from members and receiving approval from the Board of Directors, the Standards Committee published the 15th edition of *Standards for Blood Banks and Transfusion Services* in March, with an effective date of May 1, 1993.

In addition, the Standards Committee, with approval of the Board of Directors, instituted an interim standard in August 1993 regarding alanine aminotransferase (ALT) testing. The revision to standard B1.262 allowed member institutions to reenter donors who had previously been permanently deferred for an elevated ALT.

The composition of the Standards Committee was reorganized to begin work on the 16th edition of *Standards*.

Keeping Members Up to Date

A major focus of the AABB is to give members the information needed to position themselves to meet the challenges of a changing profession. At the Annual Meeting, attendees benefit from scientific and administrative presentations on the very latest advances and from exhibits that feature the latest innovations of our industry partners. The AABB holds teleconferences and videoconferences to keep its members abreast of the latest developments, technologies and problems facing the blood center, transfusion service or individual. In addition, the AABB publishes a wealth of information in a variety of formats to meet the needs of all specific interest areas within the profession.

Annual Meeting

The 1993 Annual Meeting, held October 23-27 in Miami Beach, FL, provided attendees (both members and nonmembers) from around the world with the most successful blood banking educational event of the year. Almost 6800 attendees participated in this Annual Meeting. Planning for the meeting began 2 years prior to the meeting and was carried out by many volunteers. Selflessly giving their time and talent, these volunteers planned and conducted the workshops, forums, symposia and abstract presentations.

Over 3200 individuals attended 38 technical/scientific workshops addressing such topics as "Successful Research Design and Publication," "The Blood Bank Medical Technologist as Clinical Consultant," "Technical and Public Health Aspects of Disease Testing" and "Current Issues Created by the Implementation of Autologous and Directed Donor Programs." In addition to the workshops, two Scientific Short Seminars entitled "New Directions in Blood Component Collection: How Far Can We Go With Our Donors?" and "Controversies in Transfusion-Transmitted Disease" were offered.

Over 2200 individuals attended 13 administrative workshops. Administrative workshops covered such diverse topics as "Ten Ways To Fall Back in Love With Your Job," "Living by Constructive Risk," and "Quality Assurance and the Blood Bank Computer System." Due to their huge success at previous Annual Meetings, six Short Topics covering "Changes to Uniform Labeling Guidelines," "cGMP Applied: Learning From Our Experience," "An Introduction to Ethics in Blood Banking," "Unrelated Marrow Transplant: Unresolved Dilemmas," "Personal Computers in the Blood Bank" and "TQM Applied: Learning From Our Experience" were an important part of the 1993 meeting.

Due to the increasing interest of specialty groups, 16 forums were featured on the 1993 program. These forums appealed to donor recruiters, public relations practitioners, donor room personnel, nurses, hospital chief technologists, parentage testing specialists, CEOs, educators and computer users.

A total of 308 scientific oral and poster presentations were given from abstracts reviewed by the Selection of Scientific Abstracts Committee and more than 70 volunteer reviewers. The 80 administrative oral and poster presentations were reviewed by the Administrative Program Committee.

This year's program included the Abstract Plenary session, which was so popular during the 1992 meeting and continues to bring broader recognition to the most highly significant and/or outstanding research papers submitted to the Selection of Scientific Abstracts Committee. Eight abstracts were presented during this session.

This year's program featured two new Research and Progress Sessions, expanding to 10 the total number of sessions offered. Other highlights of the meeting included the Annual Seminar (on alloimmunity), the National Affairs Symposium (on health-care reform) and the W. Quinn Jordan Memorial Lecture (on alternative dispute resolution).

As always, the Annual Meeting exhibit was a popular event for attendees. A total of 474 exhibit booths, representing 173 companies, were available for viewing by all attendees. It was the largest exhibit ever, including the exhibit at the 1990 ISBT/AABB Joint Congress.

The AABB Annual Meeting offers many opportunities to learn of new developments in the field.

Conferences/Special Workshops

AABB's program of national conferences and special workshops expanded significantly during the past year. On January 29-30, 120 registrants attended the annual "Transfusion Medicine: Update 1993" special workshop in Atlanta, GA. Sponsored by the Continuing Education Committee, the workshop provided participants with a comprehensive review of the key areas of transfusion medicine. "Blood Bankers Taking Action: AABB Legislative Advocacy Workshop" followed on February 2-4 in Washington, DC. The 23 participants received basic instruction about how to become active monitoring and taking action on legislative proposals at the national and state levels, then traveled to Capitol Hill to visit with their Representatives.

February 12-13 found 83 participants attending the "Planning for Success: A Hands-On Workshop for Marketing, Public Relations and Donor Recruitment Staff" in Arlington, VA. Sponsored by the Donor Resources/Community Relations Committee, the strategic planning workshop was designed to give participants the skills needed to eliminate trouble areas before they appear.

The two largest meetings of the year took place in March. "Stem Cell and Marrow Processing for Transplantation: Review and Update" attracted 238 registrants to Tampa, FL. Attendees gained a greater understanding of marrow processing and related subjects and learned about the latest techniques in this area. The biannual "Immunohematology Reference Laboratory Conference" attracted 151 registrants to Atlanta, GA on March 20-21.

On June 10-12, 36 registrants attended the AABB 3rd Annual Executive Management Retreat in Tucson, AZ, on "Embracing Change: Just Do It." Designed by the Administrative Section Coordinating Committee, the program instructed blood center senior staff in the use of "hustle" as a major business strategy. "Transfusion Therapy for the Pediatric Patient" followed on June 17-18 in Bethesda, MD. Sponsored by the AABB, the Transfusion Medicine Academic Award Program and the Transfusion Medicine Specialized Centers of Research Program of the National Heart, Lung, and Blood Institute of the National Institutes of Health, 133 participants received valuable information on current pediatric and neonatal transfusion practices as well as current activity in pediatric and neonatal transfusion medicine.

From March through August, the AABB provided six special workshops throughout the United States on "Quality Engineering/Good Manufacturing Practice for Blood Banks." The program was developed by the Council of Community Blood Centers and Ortho Diagnostic Systems, Inc. to focus on the common elements of blood banking from a quality engineering and compliance perspective. Each of the 152 participants received a comprehensive manual, program overheads and a video for use in training additional blood bankers.

The year ended with a combined SSCC and ASCC sponsored conference in Arlington, VA on "Where Are the Donors? Strategies for Expansion of the American Donor Pool." The program updated the 135 participants through new information on the epidemiology of donor groups, ethical issues in donor recruitment, new strategies to retain and expand the blood donor pool and minority recruitment issues.

Teleconferences

There were 13 successful audio teleconference programs in the 1993 Association year, beginning with "Ask the Regulatory Experts," on October 21, 1992. This program attracted 800 attendees at 104 sites. On November 9, 340 participants tuned in at 45 sites for a live audiocast on "Controversies in Transfusion-Transmitted Diseases" from the Annual Meeting. A program featuring "New Techniques and Technologies" attracted 1153 attendees from 99 sites nationwide on December 9 and "CAP Surveys" on January 20, 1993 was attended by 502 participants from 69 sites. This was the second AABB teleconference held in conjunction with the College of American Pathologists. On February 24, 784 participants attended "Transferring the Vision" at 61 sites. "The Tools of TQM" on March 17 attracted over 1355 participants from 90 sites. On May 19, "Changes in the AABB *Standards*" reached out to 2526 participants at 140 sites, making this the largest program of the year. "Transfusion Medicine and Beyond" on June 16 attracted 1155 attendees at 109 sites. On June 30, the AABB sponsored the second largest program of the year, "The FDA: Taking Enforcement Up a Notch," which attracted 2402 participants at 131 sites nationwide. A second "Ask the Experts" program attracted 1065 attendees from 112 sites nationwide on July 21. Donor recruitment strategies were the focus of "Oh No, No O's" on August 11 with 80 sites and 978 attendees. "Employee Relations" on August 18, was attended by 743 participants from 70 sites. The year's final program, "Current Good Manufacturing Practice" offered insight into blood safety and training to 111 sites and over 1900 attendees on September 15.

Video Conference

The AABB hosted its third video conference on April 26. "Recognition and Management of Transfusion Reactions" was broadcast live via satellite to 88 sites across the United States and Canada to an audience of 1085.

AABB Fax Network

The AABB FaxNet, established in response to the membership's interest in receiving important reports and information as quickly as possible, is sent to 233 persons in the United States and overseas. Subscribers to this rapid communications system have received timely information on issues confronting the blood banking community as well as FDA memoranda; AABB recommendations, reports and guidelines;

Members use AABB publications to succeed in the current environment and meet the challenges of the future.

media alerts and news releases; and important scientific articles. The AABB FaxNet service has also enhanced participation of subscribers in AABB programs. When immediate action on the part of the blood banking community has been needed, FaxNet subscribers have served as a first source for soliciting a response.

Publications

Books

In 1993, the AABB published the 15th edition of *Standards for Blood Banks and Transfusion Services* and the 11th edition of the *Technical Manual*—two of the Association's most widely distributed publications. Also, new references on a number of topics were published including: advances in transplantation; alloimmunity; blood donor collection practices; obstetric transfusion practices; and peripheral blood stem cells. In addition, volume 4 of the *Administrative Manual*, *Blood Bank Operations Manual* and *Hitting the Political Vein: A Blood Banker's Guide to Legislative Advocacy* were also produced. Revised/updated publications included the *Directory of Community Blood Centers*, *Regulatory Resource Manual* (1993 update binder), *Blood Transfusion Therapy: A Physician's Handbook* and *Data Card* and *Guidelines for Blood Salvage and Reinfusion in Surgery and Trauma*.

Journal

The AABB's scholarly journal, *TRANSFUSION* maintained AABB's position as the world's foremost publisher of new information regarding transfusion medicine. In addition to all AABB members, readers of the journal included 2000 nonmembers, 90% of whom are individuals and institutions overseas. While the primary focus of the journal remained original research, *TRANSFUSION* also brought the reader cogent reviews of significant areas of blood banking and pro-and-con discussions of the current controversies in transfusion medicine.

Newsletters

Perhaps the most vital link AABB members have with the Association is through *News Briefs*, the membership newsletter. Continuing its expanded coverage of Association activities and events, *News Briefs* kept members in touch with the latest information involving regulations, legislation and science. Through the column "Regulatory Affairs" and many other articles, *News Briefs* readers learned tips for managing an FDA inspection, how to communicate with regulators and whether or not hospital blood banks should be inspected by the FDA. Through the work of many AABB committees, *News Briefs* conveyed important information to members on topics such as Medicare reimbursement for autologous blood, solvent/detergent-treated plasma and the ideal conditions for a positive donation experience. The column "Recruitment Idea Exchange" continued the success of its first year by showcasing innovative and effective donor recruitment strategies. "Questions and Answers," one of the most widely read columns, prevailed as an effective medium for

Many AABB resources are available free of charge, including the *Annual Meeting News*.

those seeking clarification of blood banking policies and procedures. All these features, published 11 times a year, made *News Briefs* the most informative mechanism for AABB members to keep abreast of all that their Association has to offer.

Blood Bank Week remained a most reliable source of current information on blood banking and transfusion medicine available to the blood banking community. *Blood Bank Week* was the primary vehicle for providing industry news to members and subscribers as events unfolded. Some timely articles appearing in this weekly newsletter during 1993 included FDA memoranda on HIV look-back and quality assurance, changes to the AABB *Standards* and blood banks' response to flooding in the Midwest.

Six specialty newsletters generated by AABB committees were also published in 1993: *The Collection Connection*, *News and Views*, *Inspector's Quarterly*, *Scientific Section News*, *Administrative Notes* and *SBB Program Newsletter*. The frequency of issue for these committee publications ranged from two to four times a year.

During the Annual Meeting, the AABB once again published the AABB *Annual Meeting News*. The reports on the meeting sessions enriched the Annual Meeting experience for attendees. The newspaper also featured announcements of upcoming meeting events and essential information, such as exhibit hall floor guide and shuttle bus schedules. It also featured a restaurant and shopping guide, tour information and articles on the host city. Reader response was overwhelmingly positive.

Transfusion Medicine Education

The Scientific Section Coordinating Committee prepared reports to the Board in three areas: 1) blood substitutes; 2) solvent/detergent-treated plasma; and 3) molecular methods for tissue typing.

The Nursing and Donor Room Personnel Committee published *The Collection Connection* biannually, and distributed the newsletter to 1200 individuals working in the field. The Committee was also active in providing education at the Annual Meeting through two forums and four workshops.

The Donor Recruitment and Community Relations Committee published *News and Views*, which was distributed to over 1300 donor resources and public relations personnel. The Committee was also active in providing education during the year through a national teleconference and four forums held at the Annual Meeting. These forums covered innovative ways to recruit donors, adjusting to a changing work environment and building relationships with quality selling skills, public relations strategies to explain the safety of the blood supply to the media and patients, and a joint forum with the Nursing and Donor Room Personnel on red cell collections and new recruitment and collection strategies.

The Academic Transfusion Medicine Committee presented a transfusion medicine symposium and a physician's workshop on standards of care and quality assessment at the Annual Meeting. The committee also participated in the development of recommendations for transfusion medicine research and promotion of increased federal funding for medical research.

The Information Systems Committee published articles in *News Briefs* on uniform labeling and provided education on uniform labeling at the Annual Meeting through the workshop "Changes to Uniform Labeling Guidelines—Update." The Committee also published "Blood Bank/Transfusion Service Computer Systems User Validation Guidelines" as an *Association Bulletin*.

Reaching Out With Our Message

The AABB has positioned itself as a leader in changing the public's perception of and involvement in blood banking and transfusion medicine. As a result of strong public education efforts and coordination with the National Blood Resource Education Program, the AABB has been able to help encourage more people to donate blood more often. The public relations program, through contacts in the press and other organizations, has been able change public misconceptions about blood donation and other issues facing the blood banking community. The AABB has worked closely with legislators on both state and national levels to monitor and develop changes in laws and programs that will have an impact on the profession. In addition, coordination with the government regulators of blood banking has been instrumental in forging new relationships that will benefit not only our members, but donors and patients as well.

Donor Recruitment

The AABB continued to develop and improve programs related to the encouragement of blood donations. National Volunteer Blood Donor Month was celebrated in January of 1993 with the theme, "Blood. Give a little so someone can live," the theme of the National Blood Resource Education Program's winter mass media campaign. A presidential proclamation was also written saluting the generosity of America's volunteer blood donors.

Timed to promote public awareness of blood donation during the summer, Brad Anderson, the creator of the comic, "Marmaduke," donated a comic to the AABB. The comic was distributed to newspapers around the country and was also printed on posters for use by AABB members to promote local summer blood drives and blood donation in general.

Ten-gallon donor plaques were awarded to hundreds of donors across the country who have donated 10 or more gallons and were nominated by their blood collection establishments. The National Honor Roll recognized donor groups for outstanding participation in blood drives, as nominated by their blood collectors.

At the Annual Meeting, the AABB sponsored a booth in the exhibit hall exclusively for donor recruiters to share new recruitment ideas and held a luncheon for donor recruiters to network with others in the profession. The Donor Resources/Community Relations Committee planned four forums on topics of interest to donor recruiters and blood center public relations personnel.

Public Advisory Groups

The AABB Public Advisory Group Program was initiated in 1989 with the goal of obtaining grassroots input from donors and patients in AABB member institutions on a regular basis. After 4 years of successful meetings, this program has produced valuable information for the AABB Board of Directors. It has also provided the hosting blood centers with an opportunity to receive feedback directly from members of their community, thereby enhancing local public relations efforts.

During 1993, two rounds of public advisory meetings were held, reflecting a fourfold increase in participation in the program over the previous year. In the winter/spring of 1993, 31 public advisory group meetings were held at AABB member blood centers across the country on the topic of the ideal blood donation process. The fall/winter 1993 sessions had over 21 blood centers committed to hosting public advisory meetings on the topic of how to enhance corporate blood drives. Reports from the program are published in *News Briefs* and are also distributed to the membership.

During the annual Cartoonist's Day Blood Drive at San Diego Blood Bank, donors and their guests are treated to caricatures and other fun drawings. Brad Anderson, creator of the Marmaduke comic strip, visits with the son of a blood donor.

Public Relations

In 1993, the AABB public relations program included activities designed to maintain an ongoing dialogue with the press about new developments in the American blood services system and the continuing need for blood donation, and to increase public awareness about the general safety of the blood supply and the many issues that faced blood banks and transfusion services during the year.

Media Relations

An important task for AABB public relations in the recent past has been mitigating the damage to the image of blood banking and the American blood supply resulting from nearly a decade of negative press coverage relating to the AIDS epidemic and from a continuing Congressional investigation of blood safety. Toward this end, one central focus of AABB public relations efforts has been maintaining an issue-oriented media relations program designed to communicate to the national press and the public the continuing advances in science and technology that make the blood supply safe as well as the position of blood banking on issues that may involve the industry within any given year. During 1993, heightened media interest in the blood supply was evidenced by programs such as the HBO movie *And The Band Played On* and other broadcast programming on America's response to AIDS during the early- and mid-1980s. In response to this programming, media alerts and "Questions and Answers" documents were prepared to assist AABB members in responding to local media and donor, patient and community groups, and the national press was alerted to the blood banking community's actions during that period.

To ensure that a positive flow of information reached the press, several other activities were undertaken in 1993. Press releases on major articles published in *TRANSFUSION* were sent to the national press on a regular basis. At the AABB Annual Meeting in Miami Beach, a series of media advisories were released to promote press coverage of the meeting and research sessions, resulting in numerous articles in a number of major newspapers and trade publications and in television and radio coverage across the country.

To complement media relations at the national level, an informal network of AABB blood centers continued its growth, and now includes representation in over 20 major media markets. The value of this informal network was demonstrated on many occasions as local media were used along with efforts by the AABB National Office to increase press coverage and to make blood banking/transfusion medicine voices heard throughout the country. As a step toward establishing a network of AABB members working to provide a positive and consistent message to the media in their local communities, several information packets were developed and disseminated to blood center public relations staff across the country containing guidelines for using national public relations materials, dealing with crises within the community and responding to breaking news.

Public Education

In 1993, the AABB's public relations program also included public education activities designed to inform the public about blood and the importance of blood donation. An English/Spanish radio public service announcement by actor Hector Elizondo was added to the AABB's current celebrity PSA series featuring actors Edward Asner and Robert Guillaume and singer Clint Black. Cartoonist Brad Anderson and United Media granted the AABB permission to use his "Marmaduke" comic promoting blood donation for national distribution. Originally developed for the San Diego Blood Bank, the comic was printed in over 350 newspapers during the week of July 4th and throughout 1993. Articles on facts about blood and blood donation were also prepared and printed in community newspapers and magazines around the country.

Efforts to encourage popular television series to incorporate story lines on blood and to use AABB donor recruitment posters on the sets were successful, and *Murphy Brown*, *Blossom* and *Doogie Howser, MD*, were among the shows that helped send our message about the need for healthy Americans to donate blood. Two popular AABB PSAs ("Every American Wants a Safe Blood Supply," and "Blood: What Every American Should Know") were updated in 1993. The importance of these public education activities, along with ongoing media relations efforts, continued to ensure that a steady stream of positive information reached the public about the blood supply.

Other activities included participation in coalitions with other related health-care organizations when appropriate. Staff members have forged alliances with other blood services organizations, national coalitions such as the Coalition on Donation, governmental agencies such as the National Heart, Lung, and Blood Institute (NHLBI), the Centers for Disease Control and Prevention and the Food and Drug Administration in order to gather information, shape policy and inform the public. Two recognition events were also jointly coordinated as part of the AABB's public relations program—National Volunteer Blood Donor Month in January and National Medical Laboratory Week in April. In addition, efforts were made to coordinate AABB promotional activities for National Volunteer Blood Donor Month with the National Blood Resource Education Program's campaign, "Blood. Give a little so someone can live," to ensure consistency of message and to promote maximal use within AABB member institutions.

Measuring Public Opinion

A sixth public opinion survey on AIDS and the blood supply was conducted for the AABB by the Gallup Organization in May of 1993 and released at a press conference at the National Press Club in Washington, DC. June Osborn, MD, chairperson of the National Commission on AIDS, attended the press conference to provide commen-

Candice Bergen and Grant Shaud in a scene from *Murphy Brown*. The AABB donor recruitment poster appears in the background at right. (© 1993 Warner Bros. All rights reserved.)

tary on the opinion survey's major findings from a public policy point of view. The 1993 AABB/Gallup survey demonstrated a relatively high level of confidence in the nation's blood supply, but registered continuing concern about AIDS, and documented areas of public misinformation about risks of contracting the disease from either donating blood or receiving a blood transfusion.

The 1993 AABB/Gallup survey found that AIDS continues to top the list of serious health concerns, and that respondents ranked the disease above two far more widespread health problems, cancer and heart disease. Even though AIDS and its future continue to be of great concern, a majority of respondents (78%) said they felt the blood supply is safer today than 5 years ago, while only about one-half of those polled in the mid-1980s reported that degree of confidence. Nearly four out of five (79%) said they were aware of the safeguards placed on the blood supply, such as donor questioning about risk factors and screening tests for infectious disease, and almost nine out of 10 (87%) gave American blood banks a good or excellent rating when asked to evaluate the job blood banks were doing in taking the necessary precautions to protect the blood supply from the AIDS virus.

Overall, about one in four expressed a fear of contracting AIDS by donating blood. Despite the confidence level expressed in the blood supply by the 1993 respondents, roughly half reported some likelihood that AIDS could be contracted through blood transfusion, although the percent saying that it is very likely (11%) declined from 20% in 1985. Concern about the safety of the blood supply, however, was not the number one apprehension expressed about having surgery. At the same time, the 1993 AABB/Gallup survey demonstrates that awareness of and preference for autologous blood donation is increasing, with nine in 10 Americans saying they were aware of this option, as compared to 73% in 1986. A highly favorable opinion on the part of blood donors regarding the donation process is demonstrated in the 1993 poll, with nearly all (97%) saying their last experience with donating blood was satisfactory.

Government and Legal Affairs

Through efforts of the National Office staff and the members of the AABB, legislators on Capitol Hill and in the states were educated about blood banking issues throughout the year. In addition, staff attorneys served as an information source, sharing expertise and providing advice to members, attorneys and others on legal issues affecting blood banking and transfusion medicine.

The Association's first legislative workshop took place in February 1993, and coincided with the introduction of the new AABB legislative advocacy manual, *Hitting the Political Vein: A Blood Banker's Guide to Legislative Advocacy*. The *AABB Legislative Bulletin*, the Government and Legal Affairs column in *News Briefs* and frequent articles in *Blood Bank Week* provided reports on developments on legal and legislative issues.

Legislative—Congress

As the debate on proposals for healthcare reform began, AABB staff identified and monitored issues of interest to the blood banking community. Reimbursement issues and federal medical liability laws were high on the Association's list of essential reform provisions. AABB again achieved success in the "grassroots" campaign on transfusion medicine research funding, with members throughout the country urging Congressional support in appropriations for the National Institutes of Health. Legislators consulted with the Association on many other issues of interest, including legislation to regulate tissues and National Marrow Donor Program reauthorization. Steps were made toward harmony with Rep. John Dingell (D-MI) as he continued his investigation of blood safety issues. Members were kept informed about developments through the *Legislative Bulletin* and articles in *Blood Bank Week* and *News Briefs*.

Legislative—State

AABB staff coordinated local action on many important legislative proposals in the states. Key state legislative initiatives addressed by the AABB and its members included transfusion consent requirements in Indiana, Maryland, New Jersey, New York and Pennsylvania; bills to provide insurance coverage for autologous transfusions in New York and Pennsylvania; and a bill to extend the sunset date for paid hemapheresis donors in California. The AABB *Legislative Bulletin* was a key source for information about state government activity affecting blood banking and transfusion medicine. "Legislative alerts" were sent to members in states with important bill activity.

Legal

The National Office attorneys were available to assist members and their lawyers in responding to lawsuits. Reports of legal decisions in *Blood Bank Week* and *News Briefs* have kept members apprised of trends in litigation involving blood. Other legal projects including filing comments on behalf of the blood organizations on the FDA preemption petition, and the preparation and filing of an amicus brief with the Naticnal Labor Relations Board in support of designating medical technologists as professionals.

Work continued on the creation of programs of alternative dispute resolution (ADR) for blood banks to use when faced with transfusion-transmitted disease litigation. Guided by a major study jointly sponsored by the AABB, the Council of Community Blood Centers and the American Red Cross in 1991, legal representatives from the blood banking community focused on two forms of ADR: early neutral evaluation (ENE) and administrative claim management. Pilot ENE programs of dispute resolution were begun, and planning for an administrative claim management pilot covering one state is under way.

National Office attorneys also managed the defense of the AABB in transfusion-associated AIDS lawsuits in which the Association was named as a defendant. Several cases were discontinued voluntarily by plaintiffs in 1992 and 1993. The Association also gained dismissal of individuals named in lawsuits for their work as committee volunteers. Preparation for trials scheduled for 1994 continued; these cases would establish important precedents in any future litigation against the AABB and all standard-setting associations.

Many of the Association's programs have important liability implications, and activities were constantly monitored by the National Office attorneys to reduce liability risks. Several subpoenas for documents were also handled. The AABB used the Hogan and Hartson law firm as outside counsel to conduct research and give advice on special legal matters.

Regulatory Affairs

AABB efforts in the Regulatory Affairs arena include monitoring federal regulations issued by government agencies, including the Food and Drug Administration, National Institutes of Health, Health Care Financing Administration, Centers for Disease Control and Prevention, Occupational Safety and Health Administration and others. This monitoring assists in keeping members aware of changes made by regulatory agencies. The AABB staff reviewed the *Federal Register* daily, attended FDA Blood Products Advisory Committee meetings and public workshops, and continued to keep in close contact with the various agencies. The AABB served as the single best source of information for its members on the evolving CLIA '88 regulations and their impact on blood banks and transfusion services. Staff also provided specific responses to member inquiries encompassing a wide range of regulatory issues.

An outgrowth of this monitoring activity was the development of the *Regulatory Resource Manual*, which is updated annually. This valuable resource compiles federal rules and regulations, official guidance and memoranda, and references to help blood bankers manage all facets of their operations.

Another important AABB effort in the regulatory affairs arena is the work of the Ad Hoc FDA Liaison Committee. Through this committee's semiannual meetings with government regulators, the AABB has worked to establish ongoing meaningful dialogue between the AABB and the FDA. These efforts, along with the opportunity for individual member exchanges during "Ask the FDA Inspector" sessions at AABB Annual Meetings, provide mechanisms to bring member concerns to the FDA for a response.

1992-93 Board of Directors

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The collection and transfusion data illustrated in Tables 1 and 2 were summarized from the 1992 and the 1993 AABB Annual Institutional Questionnaires (AIQ). The 1993 AIQ collected data for the period from 1/01/92 to 12/31/92 while the 1992 AIQ collected data for the period from 01/01/91 through 12/31/91.

Although 2 years of data are presented, users of the information are cautioned that these numbers represent the responses from members for each year and do not necessarily indicate trends in collections and transfusion practices. Therefore, any changes in data must be viewed from two perspectives. One is the change in the AABB Institutional Membership; the second is the number of responses returned.

There were 2029 Institutional members who responded to the 1992 AIQ. The responses came from 143 blood centers (donor collection services only); 676 hospital blood banks (donor collection services and transfusion services); and 1270 transfusion services (transfusion services only).

For the 1993 AIQ, 2163 members responded. The responses came from 158 blood centers, 733 hospital blood banks and 1280 transfusion services.

The increase in responses from 1992 to 1993 can in part be attributed to the increased efforts in following up with Institutional Members to encourage return of the survey.

The data are available in the aggregate only. No information is provided by region, state or individual members.

Table 1. Collection/Procedure Data

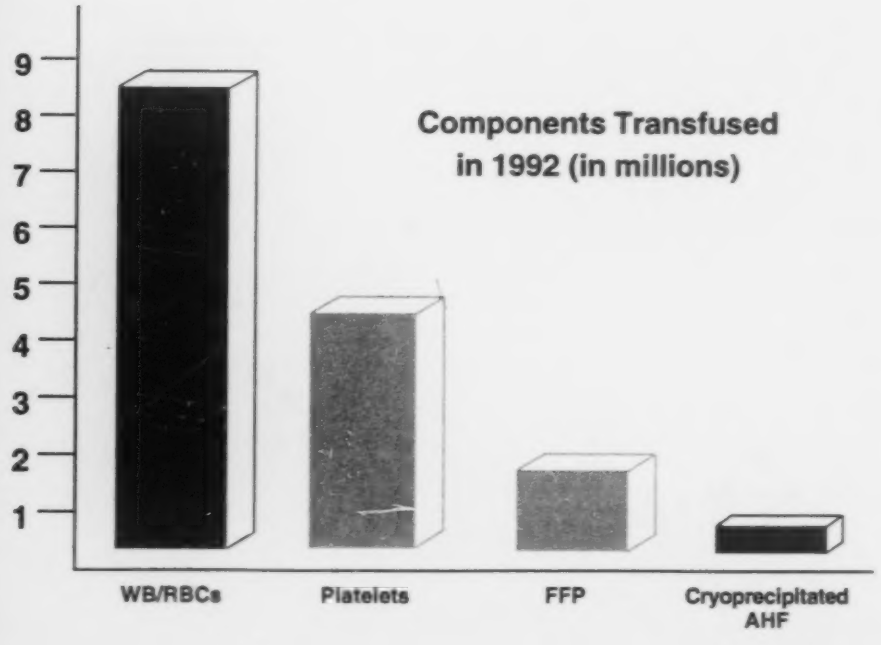
	1992		1991	
	Number of Institutions Reporting Data	Procedures Reported	Number of Institutions Reporting Data	Procedures Reported
WHOLE BLOOD COLLECTIONS				
Allogeneic Donation Data				
Collected at Blood Centers	157	10,118,729	139	9,377,611
Collected at Hospitals	375	1,778,154	359	1,329,584
Total Allogeneic Collections	**532**	**11,896,883**	**498**	**10,707,195**
Autologous Donation Data				
Collected at Blood Centers	153	468,979	138	430,088
Collected at Hospitals	721	441,541	635	314,588
Total Autologous Collections	**874**	**910,520**	**773**	**744,676**
Directed Donation Data				
Collected at Blood Centers	147	169,145	132	214,783
Collected at Hospitals	366	16,104	336	119,398
Total Directed Collections	**513**	**185,249**	**468**	**334,181**
TOTAL COLLECTIONS		**12,992,652**		**11,786,052**
ALLOGENEIC APHERESIS COLLECTIONS				
Allogeneic Plateletpheresis				
Collected at Blood Centers	145	433,133	116	328,627
Collected at Hospitals	169	133,833	165	84,697
Total Plateletpheresis Collections	**314**	**566,966**	**281**	**413,324**
THERAPEUTIC APHERESIS PROCEDURES				
Therapeutic Apheresis Procedures				
Performed by Blood Centers	87	11,977	70	15,494
Performed by Hospitals	311	54,226	274	37,357
Total Therapeutic Apheresis	**398**	**66,203**	**344**	**52,851**
PERIOPERATIVE PROCEDURES				
Intraoperative Procedures[1]				
Performed by Blood Centers	4	691	21	7,799
Performed by Hospitals	374	120,016	433	115,109
Total Intraoperative Procedures	**378**	**120,707**	**454**	**122,908**
Postoperative Procedures[2]				
Performed by Blood Centers	2	714	6	1,328
Performed by Hospitals	137	21,371	190	23,166
Total Postoperative Procedures	**139**	**22,085**	**196**	**24,494**

[1] Of the 1432 institutions that responded YES to performing intraoperative collection procedures, only 378 provided the number of procedures performed.

[2] Of the 828 institutions that responded YES to performing postoperative collection procedures, only 139 provided the number of procedures performed.

Table 2. Transfusion Data

Component	Transfused in 1992	Transfused in 1991
Whole Blood/Red Blood Cells		
Allogeneic	7,400,504	7,097,093
Autologous	401,937	330,216
Directed	87,864	82,869
Red Blood Cells Transfused as Leukocyte-Reduced RBCs	606,754	577,402
Deglycerolized Red Blood Cells	(Included with Total Whole Blood/RBCs)	39,452
Washed Red Blood Cells	(Included with Total Whole Blood/RBCs)	154,886
Total WB/RBCs	**8,497,059**	**8,281,918**
Fresh Frozen Plasma	1,915,608	1,706,081
Cryoprecipitated AHF	822,511	727,939
Platelet Concentrates (Total number of random donor platelets; not pools of platelets)	3,953,845	3,719,344
Platelets, Pheresis	550,781	374,683
Granulocyte Concentrates	(Data not available)	3,107



National Blood Exchange

The National Blood Exchange (NBE) facilitates the exchange of blood, blood components and blood credits between participating blood centers and hospitals in the United States. In 1993, transactions totaled 476,797. Of these transactions, 171,105 were transfers of Whole Blood or Red Blood Cell and 238,556 were transfers of components.

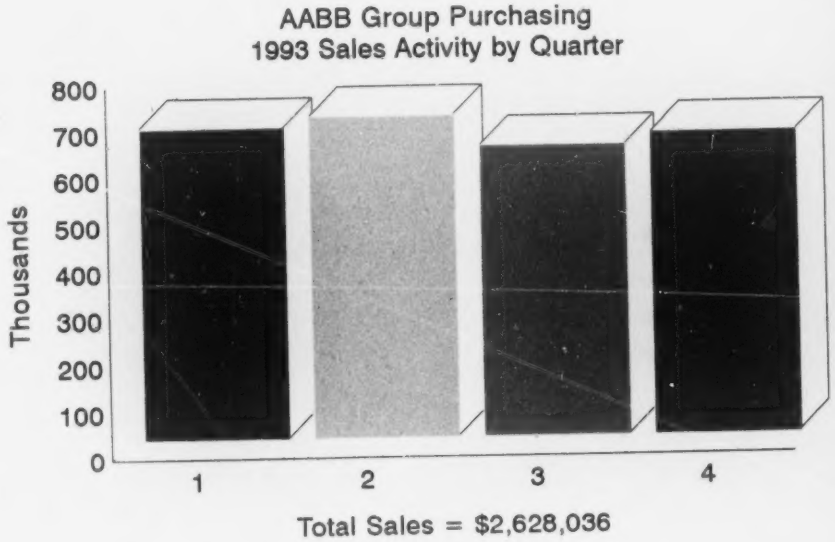
The NBE is also the coordinator for an HLA-matched platelet search service cosponsored by the American Red Cross and the Council of Community Blood Centers. Two hundred and one searches were initiated in 1993.

Table 3. National Blood Exchange Data

District	Red Blood Cells		Components	
	1992	1993	1992	1993
Northeast Units Shipped	31,131	39,799	75,464	95,811
Southeast Units Shipped	38,130	39,522	38,409	44,372
North Central Units Shipped	40,097	55,207	26,146	26,493
South Central Units Shipped	23,786	36,577	48,461	69,467
Pacific Units Shipped	11,353	17,643	1,806	2,413
Total Units Shipped	**144,497**	**171,105**	**190,286**	**238,556**

AABB Group Purchasing

As an additional benefit to members, the AABB Group Purchasing Program negotiates contracts with companies to offer medical supplies to AABB members at attractive prices. In June 1993, the program was transferred to the National Office from a consulting firm. There are currently 32 active contracts, covering a variety of products. The number of participating institutions increased from 402 to 473 since June. These members contributed to approximately $2,628,036 in purchases in 1993, a 7% increase from 1992.



1992-93 Committee Members

COMMITTEES OF THE BOARD/REPORTING TO THE BOARD

Personnel Committee

Purpose: To provide advice and counsel to the president, Board of Directors and CEO concerning AABB personnel matters.

Robert L. Travis, MS, MT(ASCP)SBB, chairman
Jay E. Menitove, MD
Margie B. Peschel, MD
Allan Ross, MBA, MT(ASCP)

Strategic Planning Committee

Purpose: To develop the strategic plan for the Association.

Roger K. Svoboda, MBA, MS, MT(ASCP)SBB, chairman
E. Shannon Cooper, MD, JD
Donald Doddridge
John L. Drury
Ronald Gilcher, MD
Bobby A. Grigsby, CPA, MBA
Harold S. Kaplan, MD
Harvey Klein, MD
Jane Mackey, MBA
Jeffrey McCullough, MD
Herbert F. Polesky, MD
Arthur J. Silvergleid, MD
Toby L. Simon, MD
Joan Smith
Joel Solomon, PhD
Charles H. Wallas, MD
Susan L. Wilkinson, EdD, MS, MT(ASCP)SBB
Consultant:
Carolyn Freeland, PhD

Ad Hoc Committee on Board Communications

Purpose: To review and make recommendations on methods to expand and improve the means of communication between the AABB Board of Directors and the membership.

Barbara Zimmerman, MT(ASCP)SBB, chairman
John Drury, BA
Susan Wilkinson, EdD, MS, MT(ASCP)SBB
Dennis Smith, MD
Margie Peschel, MD
Estre Culotta, MHS, MT(ASCP)SBB

Ad Hoc Committee on Leadership Development

Purpose: Consider and make recommendations for identifying and training potential future leaders for the Association. Develop a mechanism to identify and evaluate AABB members for committee membership, chairman and board positions. Seek input from staff and Board, etc.

John Drury, chairman
Charles H. Wallas, MD
Susan L. Wilkinson, EdD, MS, MT(ASCP)SBB

ADMINISTRATIVE COUNCIL

Awards Committee

Purpose: To make recommendations to the AABB Board regarding certain named awards.

The members of this committee are anonymous.

Bylaws Committee

Purpose: To examine proposed bylaws changes to ensure that they conform to the current needs and direction of the Association.

Bill Teague, MT(ASCP)SBB, chairman
Toby Simon, MD
Paul Ness, MD
Margie Peschel, MD
Donald Doddridge, MA, MT(ASCP)
Robert E. Albee, III
Ronald E. Domen, MD

Donor Resources and Community Relations Committee

Purpose: To assist blood centers and the donor resources professional in developing and maintaining a positive environment for blood donation through donor education and recruitment and community relations activities.

Carolyn P. Mihalko, chairman
David V. Bonk
Leslie Botos, BS
John T. Guthrie
Diane Howard
Sharon C. Perkins
Gary Woebkenberg
Liaison:
Jodi Davis
Association of Donor Recruitment Professionals

Ethics Committee

Purpose: To provide ethical guidance and to review or prepare documents that address issues of ethical concern and recommend policy for adoption by the Board.

Grace M. Neitzer, MT(ASCP)SBB, chairman
Alfred J. Grindon, MD
Page D. Sanchez-Meyer, MHS, MT(ASCP)SBB
Herbert Silver, MD

Finance/Building Committee

Purpose: To advise the Board concerning AABB fiscal policies and status.

Bobby A. Grigsby, CPA, MBA, chairman
Julie Beck, MT(ASCP)SBB
J. Daniel Conner, MM, CPA
Paul M. Ness, MD
Allan Ross, MBA, MT(ASCP)
Mark Routen, MPA
Ex-Officio Member:
Roger K. Svoboda, MBA, MS, MT(ASCP)SBB

Information Systems Committee

Purpose: Serve as a central source of information, guidance and direction on the use of computers, computer peripherals and computer software used in blood banking.

Susan Steane, MS, MT(ASCP)SBB, chairman
Suzanne Butch, MT(ASCP)SBB
Patricia Distler, MT(ASCP)SBB
Leonard Friedman, ScD
Elaine Gordon, MS, MT(ASCP)SBB
Don Henson
Judith Levitt, MT(ASCP)SBB
Bonnie Lupo, MS, SBB(ASCP)
Claryese Nelson, MT(ASCP)SBB
Kathleen Sazama, MD, JD
Edwin Steane, PhD
Correspondent Members:
Beverly Robinson
Louise Smith, MPA, MT(ASCP)SBB
Candace Williams, MT(ASCP)SBB
Liaisons:
Rodeina Davis/Beverly Robinson
Council of Community Blood Centers
Victoria Hogan, RT, MSc
Canadian Red Cross
Diane Pawlowski
American Red Cross
Mary Gustafson, MS, MT(ASCP)SBB
Food and Drug Administration
Michael Ward, Lt. Col., USAF, BSc, MS, MT(ASCP)SBB
Department of Defense
Chloe Scott/Dee Howard/Shelley Looby
Health Industry Manufacturers Association
Consultants:
Clive Hohberger, PhD
Susan Wilson, MT(ASCP)SBB
Bruce Wray

Membership Committee

Purpose: To assist and advise the National Office staff regarding membership recruitment and retention efforts.

David J. May, chairman
Robert W. Braun, MT(ASCP)SBB
Dan H. Curtis, MT(ASCP)
John T. Guthrie
Chloe Scott, MT(ASCP)
Danna Sorenson, RN
Christopher Stowell, MD, PhD

National Blood Resource Committee

Purpose: To recommend guidelines for national blood resource sharing and provide assistance to the National Office to ensure effective and responsible service to National Blood Exchange participants.

Dale R. Malloy, DPA, MT(ASCP)SBB, chairman
Alan Cable, MT(ASCP)SBB
Patricia Distler, MT(ASCP)SBB
Gene A. Erickson
Victoria Harding
Norman D. Kalmin, MD
Harold S. Kaplan, MD
Karen Milakovic, BA, BB(ASCP)SBB
Correspondent Member:
Gregory T. Moase
Liaisons:
Margi Gondolfi
Council of Community Blood Centers
CDR David A. Reichman, PhD, MSC, USN
Department of Defense
H. John Wells
American Red Cross

Nursing and Donor Room Personnel Committee

Purpose: To foster the involvement of nursing and donor room personnel in the AABB and to provide expertise concerning the responsibilities of nursing and donor room personnel in allied sciences that pertain to blood banking.

Christina A. Kasprisin, RN, MS, chairman
Frances Butler, RN, BSN, MBA
Marjana Callery, RN, MS, MT(ASCP)
Jeanne Dahl, MT(ASCP)SBB
Victoria Davis
Lani Gerber, RN
Nora V. Hirschler, MD
Elizabeth Malynn, RN
Pam Troyer, MSA, MT(ASCP)SBB
Correspondent Member:
Carol Valiquette, RN
Liaisons:
Bridget Culhane, RN
Oncology Nursing Society
Patricia Harrington, RN
American Nurses Association

Public Advisory Committee

Purpose: To set up and monitor public advisory panel meetings.

Gene Erickson, chairman
Frances Chizeck
Sara Costa
Pam Powell

Ad Hoc Donor Incentives Committee

Purpose: To study the effects of incentives on the safety of the blood supply.
Steven H. Kleinman, MD, chairman
Sara Costa
Kenneth N. Edwards
Ronald Gilcher, MD
Paul V. Holland, MD
Donna J. Mayo, PhD
Mark A. Popovsky, MD
Ronald G. Strauss, MD
Liaison:
Ruth Solomon, MD, Food and Drug Administration
Consultants:
Jane Piliavin, PhD
Lynda S. Doll, PhD

Ad Hoc Committee on Elections

Purpose: To ensure that elections at the Annual Business Meeting are conducted in accordance with Association policies.
John Orrell, SBB(ASCP), chairman
Linda Belcher, MT(ASCP)SBB
David R. Parsons, BA
Mary L. Vedo, MT(ASCP)SBB

Ad Hoc FDA Liaison Committee

Purpose: To establish communication lines with the FDA to discuss and resolve items of mutual concern.
Alfred J. Grindon, MD, chairman
Arthur J. Silvergleid, MD
Charles Wallas, MD
Paul V. Holland, MD
Jenni Lee Robins
Herbert Silver, MD
Francis S. Jones, MD
Susan Steane, MS, MT(ASCP)SBB
Frances K. Widmann, MD
Harvey Klein, MD
Liaisons:
Bill Kline, MT(ASCP)SBB
American Red Cross
Ernest R. Simon, MD
Council of Community Blood Centers

Ad Hoc Institutional Dues Structure

Purpose: To establish a fair and equitable dues structure for the institutional members.
Dennis M. Smith, MD, chairman
E. Shannon Cooper, MD
Bobby A. Grigsby, CPA, MBA
Harold S. Kaplan, MD
Jerry Kolins, MD
Brian P. McDonough
Harold A. Oberman, MD
Jay A. Olmstead
Toby L. Simon, MD
Roger K. Svoboda, MBA, MS, MT(ASCP)SBB

Ad Hoc Reimbursements Committee

Purpose: To assist AABB member institutions in obtaining fair reimbursement for their professional services from government and private payers.
Dale R. Malloy, DPA, MT(ASCP)SBB, chairman
Mary Foss
Mark Routen, MPA
Nancy Tower, MT(ASCP)SBB
Correspondent Members:
Ed Frost
Daniel Ruckman
Rob Whidden
Liaisons:
Robert Wren
Health Care Financing Administration
Roslyn Yomtovian, MD
AABB Autologous Transfusion Committee

EDUCATIONAL COUNCIL

Academic Transfusion Medicine Committee

Purpose: To encourage development of and be a resource for AABB transfusion medicine education and research programs.
Ennio C. Rossi, MD, chairman
John B. Henry, MD
Lawrence D. Petz, MD
Patricia T. Pisciotto, MD
Richard J. Sassetti, MD
Laurence A. Sherman, MD
Toby L. Simon, MD
Edward L. Snyder, MD
Steven L. Spitalnik, MD
Correspondent Members:
Margot S. Kruskall, MD
John D. Milam, MD
Liaison:
Paul R. McCurdy, MD
NHLBI/NIH

Accreditation of SBB Schools Committee

Purpose: To serve as a review board in cooperation with CAHEA for the accreditation of educational programs for Specialists in Blood Bank Technology.
Jane E. Mesnard, MS, MT(ASCP)SBB, chairman
Ellis M. Frohman, MA, MT(ASCP)SBB
Carol J. Grant, MS, MT(ASCP)SBB
Francis R. Rodwig, Jr., MD, MPH
David E. Sharp, MD, PhD
Janet M. Vincent, MS, SBB(ASCP)
Liaison:
Barbara Weithaus, PhD
CAHEA/AMA

Administrative Program Committee

Purpose: To plan and organize the administrative program and events for the Annual Meeting.
Richard S. Eisenstaedt, MD, chairman
Carthy Bryan
Jeanne Dariotis, MT(ASCP)SBB
Allen Gjersvig
Claire M. Hall
Sharolyn Kriger, RN, MBA
Pam Troyer, MSA, MT(ASCP)SBB

Certification Committee (SBB/BB)

Purpose: To serve as an AABB/BoR committee for BoR examinations in blood banking. To serve as advisory group to the Board of Directors of the AABB on all matters pertaining to certification of blood bank technologists.
Christine Barasso, MT(ASCP)SBB, chairman
Joan M. Barker, MT(ASCP)SBB
E. Nicole DeLong, MS, MT(ASCP)SBB
William J. Hunter, MD
Susan F. South, MT(ASCP)SBB
Ronald Strauss, MD
Liaison:
Fay Weirich, MT(ASCP)SBB
Board of Registry

CME Advisory Committee

Purpose: To ensure the educational programs of the AABB meet the guidelines and accreditation requirements of the Accreditation Council for Continuing Medical Education (ACCME).
Asa Barnes, MD, chairman
Richard S. Eisenstaedt, MD
Ennio C. Rossi, MD

Continuing Education Committee

Purpose: To develop content for and implement comprehensive continuing education programs.
Katherine B. Carlson, MT(ASCP)SBB, chairman
Deborah Brown, MT(ASCP)SBB
Marjana F. Callery, RN, MS, MT(ASCP)
Ronald E. Domen, MD
Judy Grishaber, DO
Holly L. Moinberger, MT(ASCP)SBB
Jennifer Rhamy, MT(ASCP)SBB
Cheryl Richards, MT(ASCP)SBB
Ed Riefenstahl, MBA
Deborah M. Spiegel, MT(ASCP)SBB
Candice Tretter, MT(ASCP)SBB
Connie M. Westhoff, MT(ASCP)SBB

Exhibits Committee

Purpose: To provide, through exhibits at the Annual Meeting, information on tests, materials and devices designed to serve the needs of donors and patients; to offer a forum in which commercial organizations can present available items; to provide a forum for educational exhibits; and to ensure that exhibitors conform to the policies of the Health Care Exhibitors Association.
Frances S. Chizeck, chairman
Teresa Harris, MT(ASCP)SBB
Judy R. Norcia, MT(ASCP)SBB
Ruth E. Ross, MT(ASCP)SBB, MHS
Harry R. Tedrow, MT(ASCP)SBB

Inspection and Accreditation Committee

Purpose: To implement the Association's Inspection and Accreditation Program.
Herbert Silver, MD, chairman
Vice Chairmen:
Marilyn F.M. Johnston, MD, PhD
Francis S. Jones, MD
Kathleen Sazama, MD, JD
Mabel M. Stevenson, MD
Area Chairmen:
Leslie Ray Bryant, Jr., MD
Joseph H. Cooper, MD
Richard V. Crisera, MD
Bennett Edelman, MD
John E. Fitzpatrick, MD
John A. Griep, MD
S. J. Insalaco, MD
George M. Katibah, MD
Jerry Kolins, MD
Mark D. Kolins, MD
Ramon N. Kranwinkel, MD
Mercy Kuriyan, MD
Daniel J. Ladd, MD
James E.T. Laningham, MD
German F. Leparc, MD
Aaron Long, MD
Leo J. McCarthy, MD
Donald C. McKee, MD
Emmett B. Reilly, MD
Helen M. Richards, MD
Irene E. Roeckel, MD
Joseph F. Stocks, MD
Margaret Waid, MD
Liaisons:
Boyd Fogle
Food and Drug Administration
Hans J. Peters, MD
College of American Pathologists
CDR David A. Reichman, PhD, MSC, USN
Department of Defense
Richard H. Walker, MD
AABB Technical Manual Committee
Frances K. Widmann, MD
AABB Standards Committee
Consultant:
Margaret E. Wallace, MHS, MT(ASCP)SBB

International Affairs Committee

Purpose: To contribute to international efforts to improve the quality of blood transfusion services worldwide and to represent the international interests of the members of the Association.
Richard J. Davey, MD, chairman
Jean-Pierre Allain, MD
Ramon N. Kranwinkel, MD
Aline C.M. Machado, MD
Mark A. Popovsky, MD
Paul J. Schmidt, MD
A. Sergio Torloni, MD
Elizabeth Vinelli, MD
Liaisons:
Robert Westphal, MD
International Federation of Red Cross Societies
Jukka Koistinen, MD
World Health Organization
Virgilio Escutia, MD
Pan-American Health Organization
Jack Ryan
American Blood Resources Association
Declan Murphy
World Federation of Hemophilia
Consultant:
Cees Th. Smit Sibinga, MD, PhD

Scientific Program Committee

Purpose: To plan, organize and conduct the Annual Meeting Seminar and Scientific Program.
Sandra J. Nance, MS, MT(ASCP)SBB, chairman
Richard H. Aster, MD
Roger Y. Dodd, PhD
Dennis Goldfinger, MD
Gregory Halverson, MT(ASCP)SBB
Peter D. Issitt, PhD
Steven H. Kleinman, MD
Leslie Silberstein, MD
Marilyn J. Telen, MD
Patricia Tippett, PhD
Liaisons:
Michael P. Busch, MD, PhD
AABB Selection of Scientific Abstracts Committee
Jay Epstein, MD
Food and Drug Administration

Selection of Scientific Abstracts Committee

Purpose: To conduct the process of evaluation and selection of technical/scientific abstracts for presentation at the Annual Meeting.
Michael P. Busch, MD, PhD, chairman
Harvey J. Alter, MD
William A. Fricke, MD
Glenn Ramsey, MD
Marion Reid, PhD, FIMLS
Ronald G. Strauss, MD
Joel Umlas, MD

Technical Manual Committee

Purpose: To prepare a technical manual that will provide practical guidance concerning methods and techniques that implement the standards.
Richard H. Walker, MD, chairman
Donald R. Branch, PhD
Walter H. Dzik, MD
Ram Kakaiya, MD
Ann McMican, MS, MT(ASCP)SBB
Paul M. Ness, MD
Herbert F. Polesky, MD
Susan D. Rolih, MS, MT(ASCP)SBB
Virginia Vengelen-Tyler, MBA, MT(ASCP)SBB
Liaisons:
P. Ann Hoppe
Food and Drug Administration
Michael J. Ward, Lt. Col., USAF, BSC, MS, MT(ASCP)SBB
Department of Defense
Consultant:
W. John Judd, FIBMS, MIBiol

Technical Scientific Workshops Committee

Purpose: To provide overall planning and coordination of the Association's technical workshops.
Ronald A. Sacher, MD, FRCP(C), chairman
James P. AuBuchon, MD
Frederick B. Axelrod, MD
Mark E. Brecher, MD
Daniel B. Brubaker, DO
Sally G. Caglioti, MT(ASCP)SBB
Linda A. Chambers, MD
Joy L. Fridey, MD
Linda Issitt, MT(ASCP)SBB
Leigh C. Jefferies, MD
Susan T. Johnson, MT(ASCP)SBB
Sanford R. Kurtz, MD
Barbara Laird-Fryer, MT(ASCP)SBB
Harold Lamberson, Jr., MD, PhD
Douglas M. Smith, MD, PhD
Steven D. Sosler, MS, SBB(ASCP)
Susan M. Wilson, MT(ASCP)SBB
Laura Lee Woods, MS, MT(ASCP)SBB
Liaisons:
Katherine B. Carlson, MT(ASCP)SBB
AABB Continuing Education Committee
Chris Kasprisin, MS, RN
AABB Nursing and Donor Room Personnel Committee

Ad Hoc AABB/CCBC Safety Workshop Group

Purpose: To work with CCBC to develop and present a conference on safety issues affecting blood banks.
Joseph G. Ridley, MT(ASCP)SBB, chairman
Jeanne Dahl, MT(ASCP)SBB
Linda Stefaniak, MT(ASCP)SBB
Sandra T. Nance, MS, MT(ASCP)SBB

Ad Hoc Annual Meeting Planning Committee

Purpose: To serve as an advisory forum to the Director of Meeting Services on the coordination of various programs presented at the Annual Meeting.
Toby L. Simon, MD, chairman
Michael P. Busch, MD, PhD
Frances S. Chizeck
Richard S. Eisenstaedt, MD
Sandra J. Nance, MS, MT(ASCP)SBB
Ronald A. Sacher, MD, FRCP(C)
Arthur J. Silvergleid, MD

Ad Hoc Quality Assurance Workshop Group

Purpose: To work with Ortho and/or other organizations to present quality assurance workshops to the AABB membership.
Margaret E. Wallace, MHS, MT(ASCP)SBB, chairman
Teresa Anderson, MT(ASCP)SBB
Samuel Insalaco, MD
Francis S. Jones, MD
Bonnie Lupo, MS, SBB(ASCP)
Ira Shulman, MD
Robert L. Travis, MS, MT(ASCP)SBB
Consultant:
Thomas Caglioti

SCIENTIFIC COUNCIL

Autologous Transfusion Committee

Purpose: To provide expertise concerning autologous transfusion practices and procedures. To recommend appropriate performance standards, and to provide education concerning their uses.
Margot Kruskall, MD, chairman
Matthew Bodner, MD
Arthur Bracey, MD
Walter H. Dzik, MD
Kenneth D. Friedman, MD
Glenn P. Gravlee, MD
Sharon McCraney, MT(ASCP)SBB
Joel Umlas, MD
Kenneth Williamson, MD
Liaison:
Mary Ann Denham
Food and Drug Administration
Consultant:
Roslyn Yomtovian, MD

Blood Data Committee

Purpose: To ensure that data indicative of important trends in blood banking and transfusion medicine are available to the Association in a timely fashion.
Douglas M. Surgenor, PhD, chairman
Amoz Chernoff, MD
A. William Shafer, MD
Edward L. Snyder, MD
Edward Wallace, PhD
Roslyn Yomtovian, MD
Consultant:
Robert Huitt, PhD

Extracorporeal Therapy Committee

Purpose: To serve as a source of expertise for AABB programs that relate to extracorporeal therapy and therapeutic apheresis.
Susan F. Leitman, MD, chairman
David Ciavarella, MD
Elaine Kucera, MM, MT(ASCP)SBB
Bruce McLeod, MD
Francis Morrison, MD
Helen Owen, RN
Thomas Price, MD
Russell Wick, MT(ASCP)SBB
Liaison:
Christina Santos
Food and Drug Administration

Parentage Testing Committee

Purpose: To provide a source of expertise in matters related to parentage testing.
Chantal R. Harrison, MD, chairman
Robert W. Allen, PhD
Ralph M. Burke, MBA, SBB(ASCP)
Joe Chimera, PhD
Debra J. Endean, PhD
Laura J. Mendoza, MSMT(ASCP)CHT(ABHI)
Herbert F. Polesky, MD
Liaisons:
Michael E. Barber
American Bar Association
Francis S. Jones, MD
AABB Inspection and Accreditation Committee
Marilyn S. Pollack, PhD
American Society of Histocompatibility and Immunogenetics

Pediatric Hemotherapy Committee

Purpose: To foster a knowledge and understanding of blood transfusion therapy in neonates and children, and to offer guidance for the optimal use of blood components and blood center services for these patients.
Naomi Luban, MD, chairman
Christine Barrasso, MT(ASCP)SBB
Delores Cordle, MT(ASCP)SBB
Allen Lipsey, MD
Catherine Manno, MD
Samuel Pepkowitz, MD
Hannis Thompson, MD
Phyllis Warkentin, MD
Alice L. Werner, MD
Liaison:
Alvin M. Mauer, MD
American Academy of Pediatrics

Reference Laboratories and Rare Donor File Committee

Purpose: To develop and maintain criteria for accrediting laboratories to which blood banking problems can be referred for consultation. To maintain the rare donor file.
Linda A. Issitt, MT(ASCP)SBB, chairman
David W. Cohen, MA, MT(ASCP)SBB
Carolyn G. Coleman, MT(ASCP)SBB
Virginia Hare, MT(ASCP)SBB
L. Elaine O. Hathaway, MT(ASCP)SBB
Susan T. Johnson, MT(ASCP)SBB
Kenneth J. Smith, MD
Susan F. South, MAOM, MT(ASCP)SBB
E. Ann Steiner, MT(ASCP)SBB
Correspondent Members:
Judy E. Grishaber, DO
Teresa Harris, MT(ASCP)SBB
Liaison:
Delores A. Mallory, MT(ASCP)SBB
American Red Cross
Consultant:
Kathleen J. Skradski, MT(ASCP)SBB
AABB Rare Donor File

Standards Committee

Purpose: To develop and publish standards for relevant aspects of blood bank practices.
Frances K. Widmann, MD, chairman
Suzanne H. Butch, MT(ASCP)SBB
Pablo D.J. Fortes, (ASCP)SBB
Harvey G. Klein, MD
German F. Leparc, MD
Jeanne Linden, MD, MPH
Naomi L.C. Luban, MD
Jay E. Menitove, MD
Paul D. Mintz, MD
Glenn Ramsey, MD
William Sherwood, MD
Christopher P. Stowell, MD, PhD
Fay Weirich, MT(ASCP)SBB
Joberta Wells, MT(ASCP)SBB
Liaisons:
P. Ann Hoppe
Food and Drug Administration
Hans J. Peters, MD
College of American Pathologists
Michael Ward, Lt Col, USAF, BSC, MS, MT(ASCP)SBB
Department of Defense
Brenda Grossman, MD
American Red Cross
Herbert Silver, MD
AABB Inspection and Accreditation Committee
Susan Steane, MS, MT(ASCP)SBB
AABB Information Systems Committee
Richard H. Walker, MD
AABB Technical Manual Committee
Linda Martin
American Association of Tissue Bank
Consultant:
John Case, FIMLS

Technical Quality Assurance Committee

Purpose: Develop and promote blood bank policies and procedures that ensure the provision of quality products and services to patients.
Jenni Lee Robins, chairman
William J. Baker, PhD
Lucia Berte, MA, MT(ASCP)SBB, DLM
Elaine Gordon, MS, MT(ASCP)SBB
Jill T. Hardman, PhD
Dara Johnson, MT(ASCP)SBB
Byrdie McSwain, MT(ASCP)SBB
Heather Russell, MT(ASCP)SBB
Ira Shulman, MD
Sally G. Caglioti, MT(ASCP)SBB
Margaret E. Wallace, MHS, MT(ASCP)SBB
Correspondent Member:
Rebecca See, MS, MT(ASCP), CLS(NCA)
Liaisons:
Francis Jones, MD
AABB Inspection & Accreditation Committee
Paul Mintz, MD
AABB Standards Committee
Susan Frantz-Bohn, MT(ASCP)SBB
Food and Drug Administration
Mary Ann Tourault, MS, MT(ASCP)SBB
Food and Drug Administration

Transfusion Practices Committee

Purpose: To promote appropriate preparation and use of blood components, including those collected by cytapheresis. Provide guidelines on transfusion practice for hospital transfusion services.
Kenneth C. Anderson, MD, chairman
Kaaron Benson, MD
Armand Glassman, MD
Heather Hume, MD, FRCP(C)
Harold Oberman, MD
Patricia Pisciotto, MD
Mark Popovsky, MD
Correspondent Member:
Sanford Kurtz, MD
Liaisons:
Ronald J. Faust, MD
American Society of Anesthesiologists
Carol Kasper, MD
National Hemophilia Foundation
Leslie Holness, MD
Food and Drug Administration

Transfusion Practices Quality Assurance Committee

Purpose: To direct efforts to develop and promote implementation of a transfusion practices quality assurance committee program in a hospital setting and evaluate the effectiveness of the program.
Linda Stehling, MD, chairman
Kenneth Anderson, MD
Lawrence T. Goodnough, MD
Steven Gould, MD
Margot Kruskall, MD
Susan Leitman, MD
Naomi Luban, MD
Merlin Sayers, MD, PhD
Correspondent Member:
Leslie Silberstein, MD
Liaisons:
Safuh Attar, MD
American Association of Thoracic Surgery
Aaron Long, MD
AABB Inspection and Accreditation Committee

Transfusion-Transmitted Disease Committee

Purpose: To provide consultation, as needed, on all facets of transfusion- and transplantation-related diseases and related laboratory tests.
Paul V. Holland, MD, chairman
Michael P. Busch, MD, PhD
Roger Dodd, PhD
Celso Bianco, MD
Margaret Hanson, MT(ASCP)SBB
J. Brooks Jackson, MD
S. Gerald Sandler, MD
Kenneth J. Smith, MD

Liaisons:
Jay S. Epstein, MD
Food and Drug Administration
Michael Rodell, PhD
American Blood Resources Association
Peter L. Page, MD
American Red Cross
Louis Katz, MD
Council of Community Blood Centers
Frances K. Widmann, MD/Harvey Alter, MD
AABB Standards Committee
Arell Shapiro, MD
American Association of Tissue Banks
David Reichman, PhD, MT(ASCP)SBB, CDR, MSC, USN
Department of Defense
Consultants:
F. Blaine Hollinger, MD
James Shorey, MD
Richard Wasserman, MD, PhD
Harvey J. Alter, MD

Transplantation Immunology Committee

Purpose: To serve as a source of expertise in tissue and organ banking and histocompatibility testing.
D. Ted Eastlund, MD, chairman
Niculae Ciobanu, MD
Linda L. Kelley, PhD
Larry C. Lasky, MD
J. Marilyn MacQueen
Afzal Nikaein, PhD
Phyllis Warkentin, MD
Chester M. Zmijewski, PhD
Liaisons:
Kamala Balakrishnan, MD
American Society of Histocompatibility and Immunogenetics
Ram Kakaiya, MD
American Red Cross
Jeanne Mowe
American Association of Tissue Banks
Richard H. Walker, MD
College of American Pathologists
Consultant:
Barbara Gorgone, MT(ASCP)SBB

Ad Hoc Blood Center Audit Planning Committee

Purpose: To define and make recommendations to meet the inspection needs of blood centers.
Thomas F. Zuck, MD, chairman
Alfred J. Grindon, MD
Stephen Brown, MT(ASCP)SBB
Jacquelyn Fredrick, MT(ASCP)SBB
Douglas Prete, BS, MT
Thomas G. Smith
Sally Caglioti, MT(ASCP)SBB
Robert L. Travis, MS, MT(ASCP)SBB
Susan L. Wilkinson, EdD, MS, MT(ASCP)SBB
Liaison:
Jenni Lee Robins
AABB Technical Quality Assurance Committee
Consultant: Thomas Caglioti

Ad Hoc Donor History/Interview Process Committee

Purpose: Finalize and follow through the implementation of the uniform donor history process.
John Orrell, SBB(ASCP), chairman
Joy Fridey, MD
Kenneth J. Smith, MD
Correspondent Members:
Jerry Kolins, MD
Sandra Skettino, MD
Liaisons:
Cathy Yockey, RN
American Red Cross
P. Ann Hoppe
Food and Drug Administration
Harvey Klein, MD
AABB Standards Committee
Consultant:
Donna Mayo, PhD
Mayo & Associates

ICL Task Force

Purpose: To provide consultation, as needed, and monitor research study protocols as related to idiopathic CD4 lymphocytopenia (ICL).
Michael Busch, MD, PhD, chairman
Celso Bianco, MD
Roger Dodd, PhD
Peter Gill, PhD
Paul Holland, MD
Carlos A. Izaguirre, MD, PhD
Harold Lamberson, MD, PhD
Gary Tegtmeier, PhD

ADMINISTRATIVE SECTION COORDINATING COMMITTEE

Purpose: To enhance the professionalism associated with blood banking administration and to provide a voice on the AABB Board of Directors through an elected representative. To provide services that further the best interests of the Association.
John L. Drury, chairman
Trudell S. Green, MT(ASCP)SBB, vice-chairman
Jill Hummels, secretary
David V. Bonk
Rhoda Burns, RN
Suzanne H. Butch, MT(ASCP)SBB
Alan Cable, MT(ASCP)SBB
Tammy J. Fey, MT(ASCP)SBB
Claire M. Hall
Sharolyn R. Kriger, RN, MBA
John Orrell, SBB(ASCP)
Sharon C. Perkins
Joseph G. Ridley, MT(ASCP)SBB
Joseph Schifano, MT(ASCP)SBB
Edmund N. Smith
Rob Whidden
Liaison:
Kathleen Sazama, MD, JD
Scientific Section Coordinating Committee
Consultant:
Lieta M. Maffei, MT(ASCP)SBB

SCIENTIFIC SECTION COORDINATING COMMITTEE

Purpose: To represent the interests of the individual members of the AABB who are concerned with the medical, scientific and technical aspects of blood banking. Specifically, it is an official channel of communication between individual members of the scientific/technical community and the AABB Board of Directors, its officers and committees. It advises the AABB Board of Directors and its officers on matters relevant to the medical, scientific and technical aspects of the Association and it identifies new and emerging areas of transfusion medicine, science or technology that have importance for blood banking and develops a role for the AABB in these areas.
Susan L. Wilkinson, EdD, MS, MT(ASCP)SBB, chairman
Kathleen Sazama, MD, JD, vice chairman
Virginia Vengelen-Tyler, MBA, MT(ASCP)SBB, secretary
Sally Caglioti, MT(ASCP)SBB
Sandra Ellisor, MT(ASCP)SBB
George Garratty, PhD, FIMLS, FRCPath
Harold Kaplan, MD
Steven Kleinman, MD
Thomas A. Lane, MD
Larry C. Lasky, MD
Sandra T. Nance, MS, MT(ASCP)SBB
Margaret E. Nichols, PhD, FIMLS
Elizabeth J. Read, MD
Marion E. Reid, PhD, FIMLS
Gary Tegtmeier, PhD
Marilyn J. Telen, MD
Liaison:
Trudell S. Green, MT(ASCP)SBB
AABB Administrative Section Coordinating Committee

National Office Staff

Joel M. Solomon, PhD
Chief Executive Officer
Joan M. Smith
Planning and Evaluation Executive, Executive Office
Joyce D'Avanzo
Executive Secretary, Executive Office
Cynthia Kelly, JD
General Counsel and Director, Government and Legal Affairs
John Paul Barber, JD
Legislative Counsel, Government and Legal Affairs
Melissa Barr
Legislative Assistant, Government and Legal Affairs
Dale Danley
Legislative Assistant, Government and Legal Affairs
Marcia S. Lane
Director, Communications and Public Relations
Noreen Moriarty
Assistant to the Director, Communications and Public Relations
Jo Ann Hoffman
Chief Operating Officer and Interim CEO
Harlan Lang
Director of Development, National Blood Foundation
Molly Bryson
Assistant to the COO and Director of Development, Office of the COO/National Blood Foundation
Pam Jensen
Director, Meeting Services
Phyllis Brashears
Assistant Director, Meeting Services
Beth Cox
Meeting Assistant, Meeting Services
Laurel Munk
Director, Publications
Elizabeth A. Smith
Newsletter Editor and Writer, Newsletters/Publications
Eileen R. Church
Newsletter Editor and Writer, Newsletters/Publications
John Saville
Production Assistant, Newsletters/Publications
Elizabeth A. Colgan
Production Manager, Journal/Publications
Susan Westrate
Production Assistant, Journal/Publications
Theodore Reuss
Production Assistant, Journal/Publications
Carolinda Hales
Publications Editor, Journal/Publications
Karen Evans, MT(ASCP)
Assistant to the Editor, Journal/Publications

Betsy Horton
Assistant to the Editor, Journal/Publications
Janet R. McGrath
Publications Manager, Books/Publications
Brenda George
Production Assistant, Books/Publications
Helen Bishop, PhD
Director, Education
Lisa Dell
Continuing Education Coordinator Teleconferences, Education
David Singleton
Continuing Education Programs Coordinator, Education
Pam Stoops
Continuing Education Programs Assistant, Education
Michael Nichols
Professional Education Programs Coordinator, Education
Bruce Fuller
Chief Financial Officer
Marie Noel
Assistant to the Chief Financial Officer, Administration and Finance
C. Michael Koon
Controller, Accounting
Bichthu Nguyen
Senior Accountant, Accounting
Martha I. Cueva
Staff Accountant, Accounting
Jon Titchener
Accounting Clerk, Accounting
Nicole J. Porter
Director, Human Resources
Myla Kimbrough
Assistant to the Director, Human Resources
Nicole Taylor
Receptionist/Secretary, Human Resources
Barbara Young
Director of Blood Bank Programs
Angela Buscemi
Supervisor, Blood Bank Programs
Robert Howard
Manager, Group Purchasing
Debbie McKillip
NC/SC District Representative, National Blood Exchange
Rachel Maines
NE/SE District Representative, National Blood Exchange
Tim Brown
Pacific District Representative, National Blood Exchange
Scotty Kitts
Data Entry Operator, National Blood Exchange
Natalie Kendall
I & A Program Coordinator, Inspection and Accreditation
Sarah Fitzpatrick
I & A Program Coordinator, Inspection and Accreditation
Robin Grossfeld
Director, Membership and Marketing
Dana E. Felton
Assistant to the Director, Membership and Marketing
Lisa Horvath
Sales Supervisor, Membership and Marketing
Debbie Williams-Saffour
Sales Assistant, Membership and Marketing
Diane Malloch
Membership Coordinator, Membership and Marketing
Judith Blocker
Membership Assistant, Membership and Marketing
Selena Skiff
Secretary, Membership and Marketing
Relief Receptionist, Human Resources
Sally Guintu
Director, Management Information Systems
Michael Cruz
Computer Support Specialist, Management Information Systems
Richard Klimkiewicz
Manager, Office Services
Frank Berry
Inventory/Shipping Coordinator, Office Services
Kevin Coleman
Office Services Clerk, Office Services
Kay McCurdy, SBB(ASCP)
Chief Technical Officer
Irene Bet-Daniel
Assistant to the Chief Technical Officer
Jean Otter, MT(ASCP)SBB
Director, Regulatory Affairs
Kendra Martello
Regulatory Assistant, Regulatory Affairs
Deanna M. Hines, MBA, MT(ASCP)
Director, Technical Services
Anne Troester
Secretary, Technical Division

Treasurer's Report

The financial statements of the American Association of Blood Banks for the years 1993 and 1992 are presented on the following pages. The records of the Association have been audited by Arthur Andersen & Co., certified public accountants.

The results for the years were in accord with the long-range plan and the Association remains in a sound fiscal position.

Roger Svoboda, MBA MS, MT(ASCP)SBB, Treasurer

Report of Independent Public Accountants

To the Board of Directors of American Association of Blood Banks:

We have audited the accompanying balance sheets of American Association of Blood Banks (the AABB, an Illinois not-for-profit corporation) as of September 30, 1993 and 1992, and the related statements of revenues, expenses and changes in fund balance and cash flows for the years then ended. These financial statements are the responsibility of the AABB's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with generally accepted auditing standards. Those standards require that we plan and perform an audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of American Association of Blood Banks as of September 30, 1993 and 1992, and the results of its operations and its cash flows for the years then ended, in conformity with generally accepted accounting principles.

Arthur Andersen & Co.
Washington, DC,
November 24, 1993

AMERICAN ASSOCIATION OF BLOOD BANKS
BALANCE SHEETS
AS OF SEPTEMBER 30, 1993 AND 1992

ASSETS

	1993	1992
CURRENT ASSETS:		
Cash and cash equivalents:		
Unrestricted	$ -	$ 843,203
Restricted (Note 2)	169,335	-
Current portion of investments (Note 3)	624,652	-
Accounts receivable, net	570,914	382,593
National Blood Exchange accounts receivable	1,956,375	1,833,284
Publications inventory, at cost	340,190	304,862
Prepaid expenses and other	704,705	503,982
Total current assets	4,366,171	3,867,924
PROPERTY:		
Building (Note 4)	4,844,299	101,105
Furniture, equipment and leasehold improvements, at cost	1,101,933	1,554,923
Accumulated depreciation and amortization	(657,776)	(470,471)
Property, net	5,288,456	1,185,557
OTHER ASSETS:		
Investments, net of current portion (Note 3)	1,855,872	1,707,041
Intangibles, net (Note 1)	290,128	336,544
Bond issuance costs (Note 6)	297,389	-
Restricted assets - bond escrows (Note 6)	153,456	-
Total other assets	2,596,845	2,043,585
Total assets	$ 12,251,472	$ 7,097,066

LIABILITIES AND FUND BALANCE

CURRENT LIABILITIES:		
Current portion of capitalized lease obligations	$ -	$ 5,755
Accounts payable and accrued expenses	486,900	331,342
National Blood Exchange accounts payable	1,423,393	1,227,412
Unearned revenue (Note 8)	2,349,526	2,278,884
Total current liabilities	4,259,819	3,843,393
BONDS PAYABLE, net of $34,876 bond discount (Note 6)	4,265,124	-
Total liabilities	8,524,943	3,843,393
COMMITMENTS AND CONTINGENCIES (Notes 7 and 11)		
FUND BALANCE:		
Unrestricted	2,143,293	1,182,436
Designated - acquisition of building	-	700,000
- National Blood Foundation (Note 9)	1,583,236	1,371,237
Total fund balance	3,726,529	3,253,673
Total liabilities and fund balance	$ 12,251,472	$ 7,097,066

The accompanying notes are an integral part of these balance sheets.

AMERICAN ASSOCIATION OF BLOOD BANKS
STATEMENTS OF REVENUES, EXPENSES, AND CHANGES IN FUND BALANCE
FOR THE YEARS ENDED SEPTEMBER 30, 1993 AND 1992

	1993	1992
REVENUES:		
Administration and Finance Division-		
Administrative Programs	$ 29,927	$ 44,065
Blood Bank Programs:		
National Blood Exchange	607,708	448,731
Inspection and accreditation:		
Nonmember inspection and accreditation	9,760	29,820
Parentage testing	23,950	51,403
Group purchasing	28,771	-
Marketing and Member Services Department:		
Publication sales	1,609,929	926,076
Dues	2,506,669	2,321,395
CAP survey and mailing lists	132,724	126,996
Earnings on investments	198,869	267,237
Miscellaneous	35,081	30,111
	5,183,388	4,245,834
Programs and Education Division-		
Meeting Services Department - annual meeting	1,790,785	1,652,874
Education Department:		
National conferences	280,097	127,774
Teleconferences	200,965	187,812
Other conferences	28,830	18,426
SBB accreditation program	23,100	7,800
Publications Department:		
Transfusion	787,042	650,325
News Briefs	62,671	54,810
Blood Bank Week	153,495	173,813
Convention newspaper	28,135	28,543
	3,355,120	2,902,177
National Blood Foundation - donations	321,566	310,139
Total revenues	$ 8,860,074	$ 7,458,150

The accompanying notes are an integral part ~~of these~~ statements.

AMERICAN ASSOCIATION OF BLOOD BANKS
STATEMENTS OF REVENUES, EXPENSES, AND CHANGES IN FUND BALANCE
(CONTINUED) FOR THE YEARS ENDED SEPTEMBER 30, 1993 AND 1992

	1993	1992
EXPENSES:		
Management-		
Board of Directors	$ 154,824	$ 166,317
Committees	427,072	394,931
Other organizations	2,349	3,124
Office of the Chief Executive Officer	264,676	238,220
National Blood Foundation:		
Administration	49,539	104,811
Programs	9,117	14,286
Fundraiser	61,570	-
Grants	164,863	189,731
Office of General Counsel	245,157	250,878
Communications and Public Relations Department:		
Operations	122,894	109,487
Public relations programs	100,613	106,636
Other	11,849	12,894
	1,614,523	1,591,315
Administration and Finance Division-		
Office of the Chief Financial Officer	161,890	152,935
Accounting Department	207,933	193,890
Human Resources Department	151,436	150,417
MIS Department	109,859	115,102
Blood Bank Programs:		
National Blood Exchange	278,934	309,971
Inspection and accreditation:		
Operations	162,396	128,994
I & A inspections	108,749	102,646
I & A workshops	37,861	-
Parentage testing	11,016	22,342
Group purchasing	23,052	-
Office Services Department	103,110	102,847
Marketing and Member Services Department:		
Operations	276,978	269,946
Membership programs	35,574	28,561
Dues	18,263	20,844
Marketing programs	103,193	70,174
Cost of goods sold	442,046	330,729
General operating expenses	250,355	242,365
Occupancy	950,061	821,239
Administrative programs	32,853	29,791
	3,465,559	3,092,793

The accompanying notes are an integral part of these statements.

AMERICAN ASSOCIATION OF BLOOD BANKS
STATEMENTS OF REVENUES, EXPENSES, AND CHANGES IN FUND BALANCE
(CONTINUED) FOR THE YEARS ENDED SEPTEMBER 30, 1993 AND 1992

	1993	1992
Programs and Education Division-		
Office of the Chief Operating Officer	$ 143,165	$ 91,911
Meeting Services Department	139,103	128,538
Annual Meeting	1,024,517	708,857
Education Department:		
Operations	179,474	176,619
National conferences	261,267	97,694
Teleconferences	87,575	92,519
Other conferences	14,497	12,666
SBB accreditation program	16,712	16,140
Publications Department:		
Operations	75,041	83,166
Transfusion	597,871	516,290
Books	78,823	75,456
News Briefs	161,909	160.396
Blood Bank Week	130,743	130,831
Convention newspaper	29,977	23,169
Annual report	10,730	9,946
	2,951,404	2,324,198
Technical Division-		
Office of the Chief Technical Officer	335,953	323,073
Uniform labeling	19,779	-
	355,732	323,073
Total expenses	$ 8,387,218	$ 7,331,379
EXCESS OF REVENUES OVER EXPENSES	472,856	126,771
FUND BALANCE, beginning of year	3,253,673	3,126,902
FUND BALANCE, end of year	$ 3,726,529	$ 3,253,673

The accompanying notes are an integral part of these statements.

AMERICAN ASSOCIATION OF BLOOD BANKS
STATEMENTS OF CASH FLOWS
FOR THE YEARS ENDED SEPTEMBER 30, 1993 AND 1992

	1993	1992
CASH FLOWS FROM OPERATING ACTIVITIES:		
Excess of revenues over expenses	$ 472,856	$ 126,771
Noncash items included in excess of revenues over expenses-		
Depreciation and amortization	258,710	218,225
Changes in assets and liabilities that provided (used) unrestricted cash-		
Restricted cash	(169,335)	-
Accounts receivable	(188,321)	(11,964)
National Blood Exchange accounts receivable	(123,091)	(108,020)
Publications inventory	(35,328)	88,975
Prepaid expenses and other	(200,723)	(159,527)
Accounts payable and accrued expenses	155,558	(508)
National Blood Exchange accounts payable	195,981	25,947
Unearned revenue	70,642	494,196
Net cash provided by operating activities	436,949	674,095
CASH FLOWS FROM INVESTING ACTIVITIES:		
Sale (purchase) of investments, net	(773,483)	808,582
Purchase of furniture, equipment and leasehold improvements	(112,080)	(723,427)
Purchase of building	(4,196,138)	(22,634)
Net cash provided by (used in) investing activities	(5,081,701)	62,521
CASH FLOWS FROM FINANCING ACTIVITIES:		
Proceeds from issuance of bonds, net of bond discount	4,265,124	-
Bond issuance costs	(304,364)	-
Restricted assets - bond escrows	(153,456)	-
Payments on capital lease obligations	(5,755)	(1,529)
Net cash provided by (used in) financing activities	3,801,549	(1,529)
INCREASE (DECREASE) IN UNRESTRICTED CASH AND CASH EQUIVALENTS	(843,203)	735,087
CASH AND CASH EQUIVALENTS, beginning of year	843,203	108,116
CASH AND CASH EQUIVALENTS, end of year	$ -	$ 843,203

The accompanying notes are an integral part of these statements.

AMERICAN ASSOCIATION OF BLOOD BANKS NOTES TO FINANCIAL STATEMENTS AS OF SEPTEMBER 30, 1993 AND 1992

1. ORGANIZATION AND SIGNIFICANT ACCOUNTING POLICIES:

Organization

The American Association of Blood Banks (AABB) was incorporated under the laws of the state of Illinois on November 5, 1958, as a not-for-profit membership organization of operating blood banks and other blood bankers. The general purposes of the AABB are to develop and recommend standards regulating the practice of blood banking, to sponsor and support programs for testing of blood, to promote public health, to maintain the National Blood Exchange, and to conduct numerous programs for communication and education among the AABB's members and the public.

Income Tax Status

The AABB is exempt from Federal income taxes under the provisions of Section 501(c)(3) of the Internal Revenue Code.

Basis of Presentation

The accompanying financial statements present the operations of the AABB on the accrual basis of accounting in accordance with generally accepted accounting principles. Certain reclassifications of prior-year balances have been made to conform with the fiscal year 1993 presentation. The 1992 amounts have been restated to include the accounts of the National Blood Foundation (Foundation) to be consistent with 1993 presentation (see Note 9).

Intangible Assets

Intangible assets, which consist primarily of subscription lists related to the purchase of *TRANSFUSION*, are being amortized over their estimated useful lives of 10 years. The annual amortization expense is $46,416.

Revenue Recognition

Membership dues received in advance for the following fiscal year are recorded as unearned revenue. Membership dues are recognized as revenue over the period to which the dues apply. Revenue earned on the viral hepatitis survey programs is deferred until the conclusion of each annual survey.

Subscriptions to *Blood Bank Week* and the FAX Network are recorded as deferred income and recognized ratably throughout the fiscal year based upon subscription anniversary dates. Subscriptions to *TRANSFUSION* are recorded as deferred income and recognized ratably throughout the calendar year based upon the number of issues published in that year.

Annual Meeting Revenue and Expenses

Revenues received and expenses incurred in advance for the AABB's annual meeting and other programs in the following fiscal year are recorded as unearned revenue and prepaid expenses, respectively, until the related event has occurred.

Depreciation and Amortization

Building costs are depreciated using the straight-line method over its estimated service life of 50 years. Furniture and equipment are depreciated using the straight-line method over estimated service lives of 5 to 10 years. Leasehold improvements and equipment under capital leases are amortized over the lesser of the lease term or the estimated useful life. Depreciation and amortization expenses for building, furniture, and equipment and leasehold improvements were $205,319 and $171,806 for the years ended September 30, 1993 and 1992, respectively.

Cash and Cash Equivalents

The AABB considers all highly liquid instruments with a maturity of three months or less at the date of purchase to be cash equivalents.

2. RESTRICTED CASH:

Restricted cash in the amount of $169,335 at September 30, 1993 represents funds held in trust and operating accounts to fund debt service plus interest earnings ($139,244) and three months of property maintenance ($30,091).

3. INVESTMENTS:

Investments consist primarily of mutual funds, government and federal agency securities, corporate bonds and equity securities. All funds are carried at the lower of cost or market. Amounts at September 30, 1993, consisted of the following:

	Cost	Market
General Fund		
Mutual Funds	$ 375,000	$ 373,687
Government and Federal Agencies	474,593	491,367
Corporate Bonds	232,359	246,273
	1,081,952	1,111,327
Foundation		
Mutual Funds	19,045	19,073
Government and Federal Agencies	484,486	520,981
Corporate Bonds	486,397	515,545
Equity Securities	408,644	439,955
	1,398,572	1,495,554
Total Investments	2,480,524	2,606,881
Less Current Portion	624,652	630,029
Total Long-Term Investments	1,855,872	$1,976,852

As mentioned in Note 6, $700,000 of AABB investments and $1,300,000 of Foundation investments are pledged as collateral for the irrevocable letter of credit.

4. BUILDING:

Building costs in the amount of $4,844,299 include the original acquisition cost ($4,108,000) plus building improvements and settlement costs related to the purchase of AABB's National Office building on April 13, 1993 (see Note 6).

5. RESTRICTION ON CASH:

The AABB is required to maintain a compensating cash balance in the amount of $100,000 at all times for its sweep cash account. For financial reporting purposes, at September 30, 1993, this balance is offset by outstanding checks.

6. BONDS PAYABLE:

On April 13, 1993, the AABB obtained tax-exempt bond financing through the Maryland Industrial Development Financing Authority (MIDFA) in the amount of $4,300,000 to purchase its National Office building. The bond interest rates are determined by the market at the date of the closing and range from 5.75 percent on certain serial bonds to 7.25 percent on term bonds. At September 30, 1993, the effective interest rate on the bonds is approximately 6.9 percent. Total interest expense for fiscal year 1993 is $157,000 and is included in occupancy expense in the accompanying statement of revenues, expenses and changes in fund balance. The bonds were issued pursuant to a Deed of Trust between AABB and The First National Bank of Maryland, as Trustee, and will mature each August 1, beginning in 1998. Required annual payments of principal beginning August 1, 1998 are as follows:

	Annual Payment	Total
August 1,		
1998-2005	$ 200,000	$1,600,000
2006-2010	300,000	1,500,000
2011-2013	400,000	1,200,000
		$4,300,000

All principal and interest payments will be paid from restricted bond escrow accounts established by the Trustee. As a part of the Loan Agreement between the AABB and MIDFA dated April 1, 1993, the AABB is required to deposit into an account a sum of money equal to the interest accruing on the bonds from the closing date through April 30, 1993, and thereafter on the first day of each month, an amount equal to one month's interest, beginning May 1, 1993 (see Note 2). Also, commencing August 1, 1993, and continuing until July 1, 1998, the AABB is required to deposit into an escrow account a sum of money equal to 1/60 of the amount of the serial bond payable on August 1, 1998, and thereafter on the first day of each month beginning August 1, 1998, a sum of money equal to 1/12 of the amount of bond principal payable on the next succeeding August 1, until such principal balance has been fully paid.

Additionally, the AABB is required to and has deposited into a restricted bond escrow account an amount equal to the six month debt service reserve.

At September 30, 1993, restricted bond escrows in the amount of $153,456 included prepaid principal payments ($6,667) and the long-term portion of the debt service reserve ($146,789).

Among other restrictions, the Loan Agreement lists certain financial covenants which must be maintained by AABB at year end. These include: (1) a consolidated net working capital of not less than $500,000; (2) a ratio of consolidated current assets to consolidated current liabilities of not less than 1 to 1; (3) a ratio of consolidated debt to consolidated fund balance not greater than 3.5 to 1; and (4) a ratio of consolidated cash flow to consolidated annual debt service of not less than 1 to 1. As of September 30, 1993, AABB was in compliance with, or had received a waiver for, these covenants.

Concurrent with the issuance of the bonds, AABB has delivered to the Trustee an irrevocable transferable letter of credit issued by the First National Bank of Maryland in the amount of $2,000,000 secured by AABB funds (see Note 3). The letter of credit is to be renewed annually.

Bond issuance costs in the amount of $304,364 related to the building financing are being amortized over the life of the bonds. The 1993 amortization on the issuance costs was $6,975.

7. LEASE COMMITMENTS:

At September 30, 1993, the AABB was obligated under noncancelable operating leases for equipment and office space, which expire over the next 4 years.

Minimum future rental payments under the noncancelable operating leases as of September 30, 1993 are summarized below.

Year Ended September 30,	Minimum Lease Payments
1994	$ 18,540
1995	14,802
1996	11,064
1997	$ 5,182
Total Minimum Future Rental Payments	$ 49,588

In addition, the AABB was obligated under a ground lease agreement beginning February, 1992. The annual lease payments were $132,802 and $128,516 for 1993 and 1992, respectively, adjusted yearly according to the Consumer Price Index.

Total rental expense for land, office and equipment operating leases was approximately $565,000 and $586,000 for the years ended September 30, 1993 and 1992, respectively.

8. UNEARNED REVENUE:

Unearned revenue at September 30, 1993 and 1992 includes the following:

	1993	1992
Membership Dues	$ 613,028	$ 596,524
Annual Meeting	1,403,774	1,392,764
Other	332,724	289,596
Total Unearned Revenue	$ 2,349,526	$2,278,884

9. DESIGNATED FUND BALANCE:

Beginning October 1, 1992, the National Blood Foundation was terminated as a separate entity and became an activity of the AABB. All assets and liabilities became part of the AABB; however, they are for the Foundation's purposes.

At September 30, 1993, the fund balance included funds designated for Foundation's activities in the amount of $1,583,236 including $28,227 restricted for scholarships and awards, is calculated as follows:

Foundation's Designated Fund Balance at	1993
September 30,1992	$1,371,237
Add Total Excess of Revenues over Expenses	472,856
Less the AABB's Share of Excess	(260,857)
Foundation's Designated Fund Balance at September 30, 1993	$1,583,236

10. PENSION PLAN:

The AABB has a defined contribution pension plan covering substantially all full-time employees. The AABB's annual contribution, as defined in the plan, is based on certain percentages of the participants' compensation for the preceding plan year. Benefits related to employer contributions begin vesting after two years of service and become fully vested at five years. Pension expense was $168,187 and $133,291 for the years ended September 30, 1993 and 1992, respectively.

11. CONTINGENCIES:

The AABB is a defendant in a number of third-party lawsuits alleging negligence relating to the testing, screening and distribution of blood products. In the opinion of management and general counsel to the AABB, the ultimate outcome of such litigation will not have a material adverse effect on the AABB's financial position or results of operations.

12. INSURANCE:

The AABB has general liability insurance that covers the setting of standards and failure to provide warnings, licensing or certifying. The effective date of the policy is August 31, 1990, which is retroactive to December 20, 1989. The AABB's insurance coverage is on a claims-made basis. Should the claims-made policy not be renewed or replaced with equivalent insurance, occurrences during its term but asserted subsequently will be uninsured. The policy period has been renewed through August 31, 1994. Any suits arising from the aforementioned conditions before August 31, 1990, are covered by prior insurance. Management is not aware of any actions relating to these conditions that would potentially require recognition or disclosure in the financial statements. Management is unable to estimate the potential loss from unasserted claims.

13. NEW ACCOUNTING PRONOUNCEMENT:

In June 1993, the Financial Accounting Standards Board issued Statement of Financial Accounting Standards No. 117. This pronouncement provides guidance on the format of financial statements. AABB has not yet determined the impact of this pronouncement or whether it will be implemented prior to its effective date in the fiscal year ending September 30, 1996.

Sustaining Members

The following individuals and institutions were AABB Sustaining Members and contributors in 1993. Sustaining membership indicates support of the principles, programs and objectives of the AABB. Funds enable the Association to provide services not otherwise possible.

Domestic Institutional Sustaining Members

2nd General Hospital-Landstuhl
APO, AE

3rd Combat Support Hospital
APO, AE

5th Medical Group
Minot AFB, ND

9th Medical Group/SGHL
Beale AFB, CA

27th Medical Group/MGHL
Cannon AFB, NM

51st Combat Support Hospital
APO, AE

96th Strategic Hospital
Dyess AFB, TX

363rd Medical Group/MGHL
Shaw AFB, SC

502nd MG/SGHL
Maxwell AFB, AL

653rd Medical Group
Robins AFB, GA

Abbott Northwestern Hospital
Minneapolis, MN

Akron General Hospital
Akron, OH

Alexandria Hospital
Alexandria, VA

Alfred I. Dupont Institute
Wilmington, DE

Alleghany Regional Hospital
Low Moor, VA

Allegheny General Hospital
Pittsburgh, PA

Allegheny Valley Hospital
Natrona Heights, PA

Allen Bennett Memorial Hospital
Greer, SC

Alvarado Hospital Medical Center
San Diego, CA

AMI National Park Medical Center
Hot Springs, AR

Arkansas Methodist Hospital
Paragould, AR

Arlington Hospital
Arlington, VA

Armed Services Whole Blood Processing Laboratory
McGuire AFB, NJ

ARUP Transfusion Services at the University of Utah Hospital
Salt Lake City, UT

Athens Regional Medical Center
Athens, GA

Banco De Sangre De Servicos Mutuos
Hato Rey, PR

Baptist Hospital
Nashville, TN

Baptist Hospital of Southeast Texas
Beaumont, TX

Baptist Medical Center-Montclair
Birmingham, AL

Baraga County Memorial Hospital
L'Anse, MI

Barnes Hospital at Washington University
St. Louis, MO

Bassett Army Community Hospital
Ft. Wainwright, AK

Baton Rouge General Hospital
Baton Rouge, LA

Bayley Seton Hospital
Staten Island, NY

Beebe Medical Center
Lewes, DE

Belle Bonfils Memorial Blood Center
Denver, CO

Beloit Hospital
Beloit, WI

Beth Israel Medical Center
New York, NY

Beverly Hospital
Montebello, CA

Blood Bank Clinical Laboratory
Minneapolis, MN

Blood Bank of Delaware, Inc.
Newark, DE

Blood Bank of Hawaii
Honolulu, HI

Blood Bank of San Bernardino and Riverside Counties
San Bernardino, CA

Blood Center of Southeast Louisiana
New Orleans, LA

Bluefield Regional Medical Center
Bluefield, WV

Boone County Hospital
Boone, IA

Boone Hospital Center
Columbia, MO

Botsford General Hospital
Farmington Hill, MI

Boulder Community Hospital
Boulder, CO

Bridgeport Hospital
Bridgeport, CT

Bristol Hospital
Bristol, CT

Brookside Hospital
San Pablo, CA

Brownsville General Hospital
Brownsville, PA

Brunswick Hospital Center
Amityville, NY

Bryn Mawr Hospital
Bryn Mawr, PA

Burdette Tomlin Memorial Hospital
Cape May Courthouse, NJ

Butterworth Hospital
Grand Rapids, MI

Cabarrus Memorial Hospital
Concord, NC

California Medical Center-Los Angeles
Los Angeles, CA

California Pacific Medical Center
San Francisco, CA

Camden Clark Memorial Hospital
Parkersburg, WV

Cape Cod Hospital
Hyannis, MA

Carolina-Georgia Blood Center
Greenville, SC

Carter Blood Center
Ft. Worth, TX

Cedars-Sinai Medical Center
Los Angeles, CA

Central Peninsula General Hospital
Soldotna, AK

Central Texas Regional Blood Center
Austin, TX

Charleston Area Medical Center
Charleston, WV

Charlotte Hungerford Hospital
Torrington, CT

Charlton Memorial Hospital, Inc.
Fall River, MA

Chester County Hospital
West Chester, PA

Chestnut Hill Hospital
Philadelphia, PA

Children's Hospital of Philadelphia
Philadelphia, PA

Chilton Memorial Hospital
Pompton Plains, NJ

Citrus Regional Blood Center
Lakeland, FL

Clara Maass Memorial Hospital
Belleville, NJ

Clarion Hospital
Clarion, PA

Cleveland Clinic Foundation
Cleveland, OH

Clinch Valley Medical Center
Richlands, VA

Coler Memorial Hospital
New York, NY

Columbus Hospital
Great Falls, MT

Comanche County Memorial Hospital
Lawton, OK

Community Blood Center
Dayton, OH

Community Hospital
Munster, IN

Community Hospital of Indianapolis
Indianapolis, IN

Community Hospital of Monterey Peninsula
Monterey, CA

Community Hospital of Roanoke Valley
Roanoke, VA

Community Medical Center
Toms River, NJ

Cooley's Anemia Foundation
New York, NY

Coral Springs Medical Center
Coral Springs, FL

Corry Memorial Hospital Laboratory
Corry, PA

Cottage Hospital of Grosse Pointe
Grosse Pointe Farm, MI

Coventant Medical Center
Waterloo, IA

Crawford W. Long Memorial Hospital
Atlanta, GA

Cutler Army Community Hospital
Ft. Devens, MA

Danbury Hospital
Danbury, CT

Darmouth-Hitchcock Medical Center
Lebanon, NH

Davis Memorial Hospital
Elkins, WV

Day Kimball Hospital
Putnam, CT

Decatur County Memorial Hospital
Greensburg, IN

Delaware County Hospital
Manchester, IA

Detroit Receiving Hospital
Detroit, MI

Diagnostic Laboratory Services, Inc.
Honolulu, HI

Doctors Hospital of Hollywood
Hollywood, FL

Dwight D. Eisenhower Department of Veteran Affairs
Leavenworth, KS

Earl K. Long Medical Center
Baton Rouge, LA

East Montgomery Medical Center
Montgomery, AL

East Orange General Hospital
East Orange, NJ

Eastern Maine Medical Center
Bangor, ME

Eastside Medical Center
Snellville, GA

Eastwood Medical Center
Memphis, TN

Edward White Hospital
St. Petersburg, FL

Edward W. McCready Memorial Hospital
Crisfield, MD

Elliott White Springs Memorial Hospital
Lancaster, SC

Emanual Hospital
Portland, OR

Emory University Hospital
Atlanta, GA

Episcopal Hospital
Philadelphia, PA

Erlanger Medical Center
Chattanooga, TN

Erlanger North Hospital
Chattanooga, TN

Espanola Hospital
Espanola, NM

Fairfax Hospital
Falls Church, VA

Fairfield Medial Center
Lancaster, OH

Florida Georgia Blood Alliance
Jacksonville, FL

Florida Hospital
Orlando, FL

Floyd Memorial Hospital
New Albany, IN

Forrest County General Hospital
Hattiesburg, MS

Fort Sanders Regional Medical Center
Knoxville, TN

Frankford Hospital
Philadelphia, PA

Freeport Memorial Hospital
Freeport, IL

Fremont Medical Center
Yuba City, CA

Garden Park Community Hospital
Gulfport, MS

Gaston Memorial Hospital, Inc.
Gastonia, NC

Genetic Design, Inc.
Greensboro, NC

Georgia Baptist Medical Center
Atlanta, GA

Giles Memorial Hospital
Pearisburg, VA

Glenwood Regional Medical Center
West Monroe, LA

Gnaden Huetten Memorial Hospital
Lehighton, PA

Goddard Memorial Hospital
Stoughton, MA

Good Samaritan Hospital
Baltimore, MD

Good Samaritan Hospital
West Islip, NY

Good Samaritan Medical Center
Zanesville, OH

Good Shepherd Hospital
Barrington, IL

Good Shepherd Medical Center
Longview, TX

Graduate Health System
Philadelphia, PA

Grady Memorial Hospital
Atlanta, GA

Grant Medical Center Laboratory
Columbus, OH

Greater Baltimore Medical Center
Baltimore, MD

Greenwood Leflore Hospital
Greenwood, MS

Guam Memorial Hospital Authority
Tamuning, GU

Gulf Area Regional Blood Bank, Inc.
Venice, FL

Hampton General Hospital
Hampton, VA

Harford Memorial Hospital
Havre De Grace, MD

Harper Hospital
Detroit, MI

Harrington Memorial Hospital
Southbridge, MA

HCA Medical Center of Port St. Lucie
Port St. Lucie, FL

Health South Medical Center
Birmingham, AL

Healthsouth Doctors' Hospital
Coral Gables, FL

Heartland Blood Centers
Aurora, IL

Helene Fuld Medical Center
Trenton, NJ

Hendersonville Community Hospital
Hendersonville, TN

Henry Ford Hospital
Detroit, MI

Henry General Hospital
Stockbridge, GA

Hinsdale Hospital
Hinsdale, IL

Holy Cross Hospital
Chicago, IL

Holy Family Hospital
Estherville, IA

Holy Family Memorial Medical Center
Manitowoc, WI

Holy Redeemer Hospital
Meadowbrook, PA

Holy Spirit Hospital
Camp Hill, PA

Holzer Medical Center
Gallipolis, OH

Hospital de Damas
Ponce, PR

Hospital-Einstein College of Medical
Bronx, NY

Hospital for Special Surgery
New York, NY

House of the Good Samaritan
Watertown, NY

Houston Northwest Medical Center
Houston, TX

Humana Hospital Biscayne
Miami, FL

Humana Hospital Cypress
Pompano Beach, FL

Humana Hospital Montgomery
Montgomery, AL

Humana Women's and Children's Hospital
San Antonio, TX

Hunterdon Medical Center
Flemington, NJ

Huntsville Hospital
Huntsville, AL

Illinois Masonic Medical Center
Chicago, IL

Indian River Blood Bank
Vero Beach, FL

Indiana University Hospitals
Indianapolis, IN

Irwin Army Hospital
Ft. Riley, KS

J.V. Laboratories
Racine, WI

Jennie Stuart Memorial Hospital
Hopkinsville, KY

Jersey Shore Hospital
Jersey Shore, PA

Jersey Shore Medical Center
Neptune, NJ

John F. Kennedy Memorial Hospital
Philadelphia, PA

John F. Kennedy Memorial Hospital
Stratford, NJ

Josiah B. Thomas Hospital
Peabody, MA

Jupiter Medical Center-Laboratory
Jupiter, FL

Kaiser Permanente Medical Center
Bellflower, CA

Kaiser Permanente Medical Center
Los Angeles, CA

Kennedy Memorial Hospital
Turnerville, NJ

Kennedy Memorial Hospitals
Cherry Hill, NJ

Kenner Army Community Hospital
Ft. Lee, VA

Kennestone Hospital
Marietta, GA

Kenneth Norris Jr. Cancer Hospital
Los Angeles, CA

Keystone Community Blood Bank
Reading, PA

Kings County Hospital Center
Brooklyn, NY

King's Daughters' Hospital
Staunton, VA

King's Daughters' Hospital
Temple, TX

King's Daughters' Medical Center
Ashland, KY

L.I. Jewish-Hillside Medical Center
New Hyde Park, NY

Lafayette Home Hospital
Lafayette, IN

Lake Charles Memorial Hospital
Lake Charles, LA

Lake Wales Medical Centers, Inc.
Lake Wales, FL

Lakewood Hospital
Lakewood, OH

Lane Memorial Blood Bank
Eugene, OR

Lawrence Memorial Hospital of Medford
Medford, MA

LDS Hospital
Salt Lake City, UT

Le Bonheur Children's Medical Center
Memphis, TN

Lea Regional Hospital
Hobbs, NM

Leesburg Regional Medical Center
Leesburg, FL

Lenox Hill Hospital
New York, NY

Lester E. Cox Medical Center—South
Springfield, MO

Lewis-Gale Hospital
Salem, VA

LifeSource
Glenview, IL

Long Beach Community Hospital
Long Beach, CA

Los Gatos Community Hospital
Los Gatos, CA

Louisiana Blood Center
Shreveport, LA

Lovelace Medical Center
Albuquerque, NM

Lucerne Medical Center
Orlando, FL

Macomb Hospital Center
Warren, MI

Malden Hospital
Malden, MA

Mansfield General Hospital
Mansfield, OH

Margaret R. Pardee Memorial Hospital
Hendersonville, NC

Marion General Hospital
Marion, OH

Marquette General Hospital
Marquette, MI

Marshfield Medical Center
Marshfield, WI

Maryview Hospital
Portsmouth, VA

Maxwell Blood Bank
Chicago, IL

McKennan Hospital
Sioux Falls, SD

McKenzie-Willamette Hospital
Springfield, OR

McPherson Hospital
Howell, MI

Meadowcrest Hospital
Gretna, LA

Mease Health Care
Dunedin, FL

Medical Center East
Birmingham, AL

Medical Center of Central Georgia
Macon, GA

Medical City Dallas Hospital
Dallas, TX

Memorial Blood Center of Minneapolis
Minneapolis, MN

Memorial Hospital
Chattanooga, TN

Memorial Hospital & Medical Center
Midland, TX

Memorial Hospital for Cancer & Allied Diseases
New York, NY

Memorial Hospital of Jacksonville
Jacksonville, FL

Memorial Hospital of Tampa
Tampa, FL

Mercer Medical Center
Trenton, NJ

Mercy American River Hospital
Carmichael, CA

Mercy General Hospital
Sacramento, CA

Mercy Hospital
Wilkes-Barre, PA

Mercy Hospital
Charlotte, NC

Mercy Hospital
Detroit, MI

Mercy Hospital
Scranton, PA

Mercy Hospital of New Orleans
New Orleans, LA

Mercy Medical Center
Coon Rapids, MN

Mercy Medical Center
Springfield, OH

Mercy San Juan Hospital
Carmichael, CA

Methodist Hospital
New Orleans, LA

Methodist Hospitals of Memphis
Memphis, TN

Metropolitan Blood Center
Yonkers, NY

Metropolitan Hospital
Grand Rapids, MI

Metropolitan Hospital
San Antonio, TX

Miami Children's Hospital
Miami, FL

Michigan Affiliated Healthcare System
Lansing, MI

Michigan Capital Medical Center
Lansing, MI

Mid-Island Hospital
Bethpage, NY

Milford Memorial Hospital
Milford, DE

Millcreek Community Hospital
Erie, PA

Milton Hospital
Milton, MA

Mississippi Valley Regional Blood Center
Davenport, IA

Monmouth Medical Center
Long Branch, NJ

Montefiore University Hospital
Pittsburgh, PA

Montrose Memorial Hospital
Montrose, CO

Mount Clemens General Hospital
Mount Clemens, MI

Munising Memorial Hospital
Munising, MI

Nassau County Medical Center
East Meadow, NY

Nazareth Hospital
Philadelphia, PA

New Hampshire Medical Laboratory
Manchester, NH

New York Downtown Hospital
New York, NY

Newark Beth Israel Medical Center
Newark, NJ

Norfolk Community Hospital
Norfolk, VA

North Adams Regional Hospital
North Adams, MA

North Arundel Hospital
Glen Burnie, MD

North Broward Hospital
Pompano Beach, FL

North Memorial Medical Center
Minneapolis, MN

North Park Hospital
Hixson, TN

North Penn Hospital
Lansdale, PA

North Shore University Hospital
Manhasset, NY

Northshore Regional Medical Center
Slidell, LA

Northwest Community Hospital
Arlington Heights, IL

Northwest Hospital Center
Randallstown, MD

Northwestern Memorial Hospital
Chicago, IL

Nueces County Medical Society Community Blood Bank
Corpus Christi, TX

Oscesla Regional Hospital
Kissimmee, FL

Otsego Memorial Hospital
Gaylord, MI

Our Lady of the Resurrection
Chicago, IL

Overland Park Regional Medical
Overland Park, KS

Overton Brooks Medical Center
Shreveport, LA

Pacific Medical Center
San Francisco, CA

Palm Beach Gardens Medical Center
Palm Beach Gardens, FL

Palm Springs General Hospital
Hialeah, FL

Palms West Hospital
Loxahatchee, FL

Pascack Valley Hospital
Westwood, NJ

Patterson Army Community Hospital
Ft. Monmouth, NJ

Pawating Hospital
Niles, MI

Pender Memorial Hospital
Burgaw, NC

Pennsylvania Hospital
Philadelphia, PA

Personal Blood Storage of Miami
Miami, FL

Phoenixville Hospital
Phoenixville, PA

Plantation General Hospital
Plantation, FL

Pleasant Valley Hospital
Point Pleasant, WV

Ponce Regional Hospital
Ponce, PR

Porter Memorial Hospital
Denver, CO

Porter Memorial Hospital
Valparaiso, IN

Potomac Hospital
Woodbridge, VA

Pottsville Hospital & Warne Clinic
Pottsville, PA

Presbyterian Intercommunity Hospital
Whittier, CA

Presbyterian Medical Center of Philadelphia
Philadelphia, PA

Presbyterian/St. Luke's Blood Bank
Denver, CO

Prince William Hospital
Manassas, VA

Providence Hospital
Anchorage, AK

Providence Medical Center
Portland, OR

Queen of Peace Hospital Laboratory
Mitchell, SD

Rancocas Valley Hospital
Willingboro, NJ

Rappahannock General Hospital
Kilmarnock, VA

Redington-Fairview General Hospital
Skowhegan, ME

Rhode Island Hospital
Providence, RI

Rhode Island Medical Center General Hospital
Cranston, RI

Richmond Memorial Hospital
Richmond, VA

Riverview Hospital
Noblesville, IN

Roanoke Memorial Hospitals
Roanoke, VA

Robert Packer Hospital
Sayre, PA

Rogue Valley Medical Center
Medford, OR

Roper Hospital
Charleston, SC

Rumford Community Hospital
Rumford, ME

Rush Foundation Hospital
Meridian, MS

Rutherford Hospital, Inc.
Rutherfordton, NC

Sacred Heart Hospital
Allentown, PA

Sacred Heart Hospital
Cumberland, MD

Sacred Heart Hospital
Pensacola, FL

Sacred Heart Hospital
Yankton, SD

Saint Mary Hospital
Langhorne, PA

Saints Memorial Medical Center
Lowell, MA

San Pedro Peninsula Hospital
San Pedro, CA

Santa Rosa Hospital
San Antonio, TX

Santa Teresita Hospital
Duarte, CA

Sarah Bush Lincoln Health Center
Mattoon, IL

Schumpert Medical Center Laboratory
Shreveport, LA

Sequoia Hospital
Redwood City, CA

Shady Grove Adventist Hospital
Rockville, MD

Shadyside Hospital
Pittsburgh, PA

Sharp Memorial Hospital
San Diego, CA

Sherman Hospital
Elgin, IL

Shore Memorial Hospital
Somers Point, NJ

Sinai Hospital of Detroit
Detroit, MI

Sioux Valley Hospital
Sioux Falls, SD

Siouxland Community Blood Bank
Sioux City, IA

Slidell Memorial Hospital
Slidell, LA

SmithKline Beecham Clinical Laboratories
Norristown, PA

Smyth County Community Hospital
Marion, VA

South Bend Medical Foundation
South Bend, IN

South Florida Baptist Hospital
Plant City, FL

South Hills Health Systems
Pittsburgh, PA

South Shore Hospital
South Weymouth, MA

South Shore Hospital & Medical Center
Miami Beach, FL

South Suburban Hospital
Hazel Crest, IL

Southeastern General Hospital, Inc.
Lumberton, NC

Southern Blood Services, Inc.
Birmingham, AL

Southern California Permanente
Woodland Hills, CA

Southern Chester County Medical Center
West Grove, PA

Southern Maryland Hospital Center
Clinton, MD

Southern Ohio Medical Center
Portsmouth, OH

Southwest Community Hospital
Atlanta, GA

Southwest Florida Blood Bank
Tampa, FL

Southwest Medical Center of Oklahoma
Oklahoma City, OK

Spartanburg Blood Bank
Spartanburg, SC

Spring Branch Medical Center
Houston, TX

St. Agnes Hospital
Baltimore, MD

St. Agnes Hospital
White Plains, NY

St. Anne's Hospital
Fall River, MA

St. Anthony Hospital
Rockford, IL

St. Anthony Memorial Hospital
Effingham, IL

St. Anthony Regional Hospital
Carroll, IA

St. Anthony's Medical Center
Crown Point, IN

St. Barnabas Hospital
Bronx, NY

St. Charles Medical Center
Bend, OR

St. Charles Hospital
Oregon, OH

St. Elizabeth Hospital Medical Center
Youngstown, OH

St. Elizabeth Medical Center
Dayton, OH

St. Frances Cabrini Hospital
Alexandria, LA

St. Frances X. Cabrini Hospital
Chicago, IL

St. Francis Hospital
Columbus, GA

St. Francis Hospital
Greenville, SC

St. Francis Hospital
Hartford, CT

St. Francis Hospital
Milwaukee, WI

St. Francis Hospital
Poughkeepsie, NY

St. Francis Hospital
Tulsa, OK

St. Francis Medical Center
Honolulu, HI

St. Francis Medical Center
Trenton, NJ

St. Francis-St. George Hospital
Cincinnati, OH

St. John's Episcopal Hospital
Far Rockaway, NY

St. John's Riverside Hospital
Yonkers, NY

St. Joseph Hospital
Chicago, IL

St. Joseph Hospital
Elgin, IL

St. Joseph Hospital
Houston, TX

St. Joseph Hospital
Stamford, CT

St. Joseph Hospital
Tacoma, WA

St. Joseph Intercommunity Hospital
Cheektowaga, NY

St. Joseph Mercy Hospital
Ann Arbor, MI

St. Joseph's Hospital
Asheville, NC

St. Joseph's Hospital
Elmira, NY

St. Joseph's Hospital
Philadelphia, PA

St. Joseph's Hospital
Stockton, CA

St. Jude Children's Research Hospital
Memphis, TN

St. Jude Hospital
Fullerton, CA

St. Jude Medical Center
Kenner, LA

St. Luke's Hospital
Jacksonville, FL

St. Luke's Medical Center
Sioux City, IA

St. Luke's Midland Regional Medical Center
Aberdeen, SD

St. Luke's-Roosevelt Hospital Center
New York, NY

St. Mary's Health Care System
Athens, GA

St. Mary's Hospital
Leonardtown, MD

St. Mary's Hospital
Milwaukee, WI

St. Mary's Hospital
Pierre, SD

St. Mary's Hospital
Saginaw, MI

St. Mary's Medical Center
Knoxville, TN

St. Peter's Medical Center
New Brunswick, NJ

St. Vincent Health Center
Erie, PA

St. Vincent Medical Center
Los Angeles, CA

Stamford Hospital
Stamford, CT

Staten Island University Hospital
Staten Island, NY

Stewart Regional Blood Center
Tyler, TX

Stonewall Jackson Hospital
Lexington, VA

Stormont-Vail Regional Medical Center
Topeka, KS

Story County Hospital
Nevada, IA

Stouder Memorial Hospital
Troy, OH

Sumter Regional Hospital
Americus, GA

Sutter Memorial Hospital
Sacramento, CA

Swedish American Hospital
Rockford, IL

Tarrant County Hospital
Ft. Worth, TX

Tarzana Regional Medical Center
Tarzana, CA

The Brigham & Women's Hospital
Boston, MA

The Central Indiana Regional Blood Center
Indianapolis, IN

The Faxton-Children's Hospital
Utica, NY

The Methodist Hospital
Houston, TX

The New York Hospital
New York, NY

The Rhode Island Blood Center
Providence, RI

The Uniontown Hospital
Uniontown, PA

Three Rivers Medical Center
Louisa, KY

Timken Mercy Hospital
Canton, OH

Trumbull Memorial Hospital
Warren, OH

Tulane Medical Center
New Orleans, LA

Twin County Community Hospital
Galax, VA

Union General Hospital
Union, NJ

Union Memorial Hospital Blood Bank
Baltimore, MD

United Blood Services
Scottsdale, AZ

Unity Hospital
Fridley, MN

United Hospital
Port Chester, NY

United Hospital Center, Inc.
Clarksburg, WV

University Hospital
New Orleans, LA

University Hospital of Cleveland
Cleveland, OH

University Medical Center
Lubbock, TX

University of California, Iryine Medical Center
Orange, CA

University of Chicago Hospital
Chicago, IL

University of Michigan Hospitals
Ann Arbor, MI

University of Nebraska Hospital
Omaha, NE

US Army Bayne-Jones Community Hospital
Ft. Polk, LA

US Army Brooke Medical Center
Ft. Sam Houston, TX

US Army Darnell Community Hospital
Ft. Hood, TX

US Army Lyster Hospital
Ft. Rucker, AL

US Army Noble Community Hospital
Ft. McClellan, AL

US Army William Beaumont Medical
El Paso, TX

US Army Womack Medical Center
Ft. Bragg, NC

US Naval Hospital
Charleston, SC

US Naval Hospital Groton
Groton, CT

US Naval Hospital Millington
Millington, TN

US Naval Hospital Newport
Newport, RI

US Naval Hospital Rota
FPO, AE

USAF 475 Medical Group Laboratory
APO, AP

USAF Hospital Eglin/SGHL
Eglin AFB, FL

USAF Medical Center Scott
Scott AFB, IL

Utah Valley Hospital
Provo, UT

VA-James A. Haley Hospital
Tampa, FL

VA Lakeside Medical Center
Chicago, IL

VA Medical Center-Asheville
Asheville, NC

VA Medical Center-Bronx
Bronx, NY

VA Medical Center-Castle Point
Castle Point, NY

VA Medical Center-Dallas
Dallas, TX

VA Medical Center-East Orange
East Orange, NJ

VA Medical Center-Muskogee
Muskogee, OK

VA Medical Center-Nashville
Nashville, TN

VA Medical Center-New Orleans
New Orleans, LA

VA Medical Center-Providence
Providence, RI

VA Medical Center-San Francisco
San Francisco, CA

VA Medical Center-Tuskegee
Tuskegee, AL

VA Medical Center-Tucson
Tucson, AZ

VA Medical Center-West Haven
West Haven, CT

Valley Presbyterian Hospital
Van Nuys, CA

Virginia Blood Bank, Inc.
Richmond, VA

W.O. Boswell Memorial Hospital
Sun City, AZ

Walton County Hospital
Monroe, GA

Warren General Hospital
Warren, PA

Watauga Medical Center
Boone, NC

Waterbury Hospital Health Center
Waterbury, CT

Waterville Osteopathic Hospital
Waterville, ME

Waukesha Memorial Hospital
Waukesha, WI

Wentworth Douglass Hospital
Dover, NH

West Hills Regional Medical Center
West Hills, CA

West Hudson Hospital
Kearny, NJ

West Jefferson Medical Center
Marrero, LA

Westside Regional Medical Center
Plantation, FL

Wheeling Hospital
Wheeling, WV

Wilcox Memorial Hospital
Lihue, HI

Williamsburg Community Hospital
Williamsburg, VA

Wilson Memorial Hospital
Wilson, NC

Winchester Hospital
Winchester, MA

Winn Army Community Hospital
Ft. Stewart, GA

Winona Memorial Hospital
Indianapolis, IN

Witham Memorial Hospital
Lebanon, IN

Women's Hospital of Greensboro
Greensboro, NC

Woodlands Community Hospital
The Woodlands, TX

Foreign Institutional Sustaining Members

Institute of Medical and Veterinary Science
Adelaide, Australia

Institut National Transfusion
Paris Cedex, France

Melbourne Pathology Services
Collingwood, Australia

Militaire Bloedbank
Amsterdam, The Netherlands

Victoria General Hospital
Halifax, Canada

Domestic Individual Sustaining Members

Loolseged Abebe, MD
New York, NY

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Brooklyn, NY

Arnold Abrams, MD
Santa Monica, CA

Loren Acker, MBA
Tucson, AZ

Jose Acosta-Olmeda, MD
Silvis, IL

Ronald T. Acton, PhD
Birmingham, AL

A. J. Adams
Orlando, FL

Margaret Adler, MD
Merion Station, PA

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Carson, CA

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Washington, DC

James Almas, MD
Claremont, CA

Jason M. Alter, PhD
Glen Cove, NY

Arthur A. Altman, MD
Phillipsburg, NJ

Daniel R. Ambruso, MD
Denver, CO

Rao Andavolu, MD
Princeton Junction, NJ

Chester Andrzejewski, MD, PhD
Somers, CT

Judy Angelbeck, PhD
Huntington, NY

John Apuzzo
Orangeburg, NY

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Jacksonville, FL

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Granada Hills, CA

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Timonium, MD

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Tujunga, CA

Ulysses Arreteig, MD
Pensacola, FL

Thomas Asher, PhD
Sherman Oaks, CA

John Ashworth, PhD
Berkeley, CA

Fleur Aung, MD
Rowlett, TX

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Las Vegas, NV

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York Town, NY

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Durham, NC

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N. Worchester, MA

Charlotte Bailey, RN
Redding, CA

Caroline Ballweg, MT(ASCP)
Colton, CA

George Balshuweit, BS
Knoxville, TN

Joyce Balzano
Canton, MA

Cheryl L. Barclay, BS
Spokane, WA

Sandra Bare
Reading, PA

Charles Bark, MD
San Diego, CA

Candice J. Barker, BS, MT(ASCP)
Maryland Heights, MO

John F. Barlow, MD
Rapid City, SD

Michael Barlow
Dayton, OH

James Barnawell, MD
Crossville, TN

Asa Barnes Jr., MD
Long Beach, CA

Falvy Carl Barr, Jr., MD
Clinton, NC

Patty Barrington
Pensacola, FL

James Barrow, MD
Miami, FL

Joel Barton, MD
Rockville, MD

Regina Rose Bass, BS, MT(ASCP), MSA
Columbia, SC

Susan Bator, MD
Columbia, PA

Susan Bauslaugh, BS, MT(ASCP)
San Ramon, CA

Maria Bayona, MT(ASCP), (NCA)
El Paso, TX

Carolyn M. Bazik, MBA
Reading, PA

William Beach III, MD
Austell, GA

Robert Bear, DO
Harrisburg, PA

Anniebelle Bearden, BS
Irving, TX

John Bejes, MT(ASCP)
North Judson, IN

William A. Belding, MD
Norway, MI

Jaime Gutierrez Belen, BS, BB(ASCP)SBB
Park Ridge, IL

Judy A. Bell, MT(ASCP)SBB
Greendale, WI

Eileen Benedict, MT(ASCP)
Levittown, PA

Geni A. Bennetts, MD
Orange, CA

Catherine A. Benoit
Raritan, NJ

Eugene Bentley, Jr., MD
West Chester, PA

Frances M. Benton, MT(ASCP)SBB
Dallas, TX

Ronald Berenson, MD
Bothell, WA

Ralph Bernier, MD, PhD
Springfield, IL

Lucia Berte, MA, MT(ASCP)SBB, DLM
Elmhurst, IL

Patricia Ann Biedler, BS, MT(ASCP)
Sterling, VA

David Bing, PhD
Boston, MA

Fe Bittel, MT(ASCP)SBB
Des Plaines, IL

Lynn Blake, MD
Knoxville, TN

Janice Blazina, MD
Fort Worth, TX

Laurie S. Bliven, MT
Louisville, KY

Olga Blumenfeld, PhD
Bronx, NY

Paul Bogikes
Rancho Palos Ver, CA

Charles D. Bolan, Jr., MD
Washington, DC

Gregg Boothe, MS, MT(ASCP)SBB
Cincinnati, OH

Ramesh Borad, PhD
Edison, NJ

Patricia Borman, RN
San Mateo, CA

Eleanor Botsko
Chester, NJ

Barbara Boucock, MT(ASCP)SBB
Eugene, OR

Rose Boxer, AAS
New York, NY

Joy Bradash, MLT(ASCP), CLT
Crown Point, IN

Richard Bradley, MD
Lake Bluff, IL

Carol Brandt
San Diego, CA

Barrett Brantley, MD
Nashville, TN

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Hudson, WI

Diana Breslich, MD
Scottsbluff, NE

Linda Brewer, MT(ASCP)BB
Greenville, NC

Marilyn Brewer, MT(ASCP)
South Lake Tahoe, CA

Charmaine Brice, MT(ASCP)SBB
Surgoinsville, TN

Joseph Brierre, Jr., MD
Lafayette, LA

Jay Brooks, MD
Jackson, MS

John Broshears, MD
Brunswick, GA

Deborah Brown, MT(ASCP)SBB
Atlanta, GA

Leon Brown, MD
E. Cleveland, OH

Minori Brown
Kaneohe, HI

Shelley Brown, MD
New York, NY

Stephen Brown, MT(ASCP)SBB
Shreveport, LA

Margaret Bruno, MT(ASCP)SBB
Edison, NJ

Samuel Brushett
Montgomery, TX

Lynda Bucciarelli, MT(ASCP)SBB
Gainesville, FL

Linda Buckert, MT(ASCP)SBB
Redlands, CA

Leslee Budge, BS MT(ASCP)
Santa Rosa, CA

Isabelle Buehl, MD
Indianapolis, IN

Elaine Marie Bukowski, MD
Prospect, KY

A. M. Burford, Jr., MD
Florence, AL

Sharon Burke, MD
Evanston, IL

Patricia Burkhart, MT(ASCP)SBB
Columbia, PA

William Butscher,Jr., MD
Ocala, FL

Carol Ries Byerly
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Tulsa, OK

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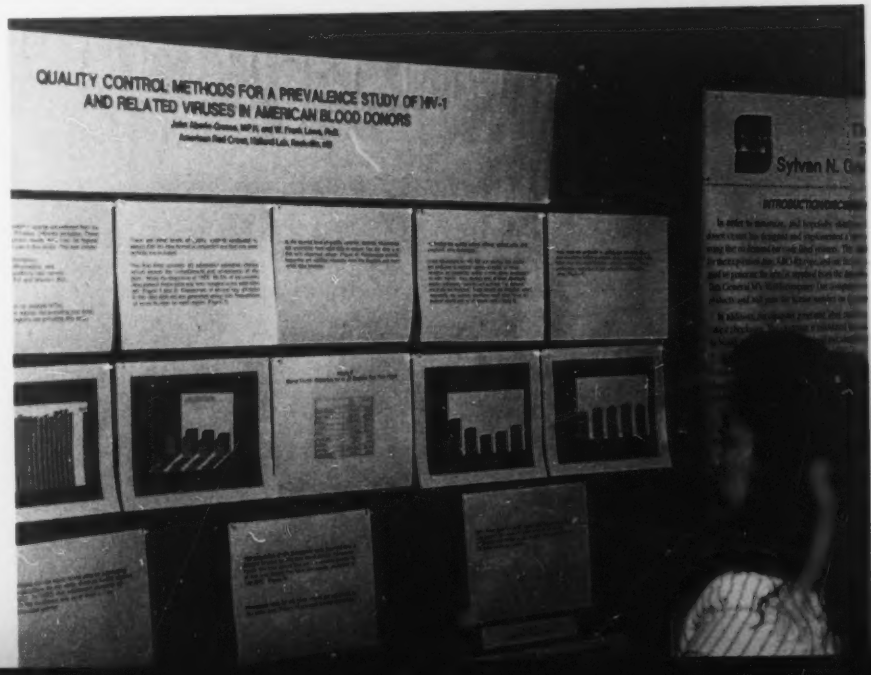

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